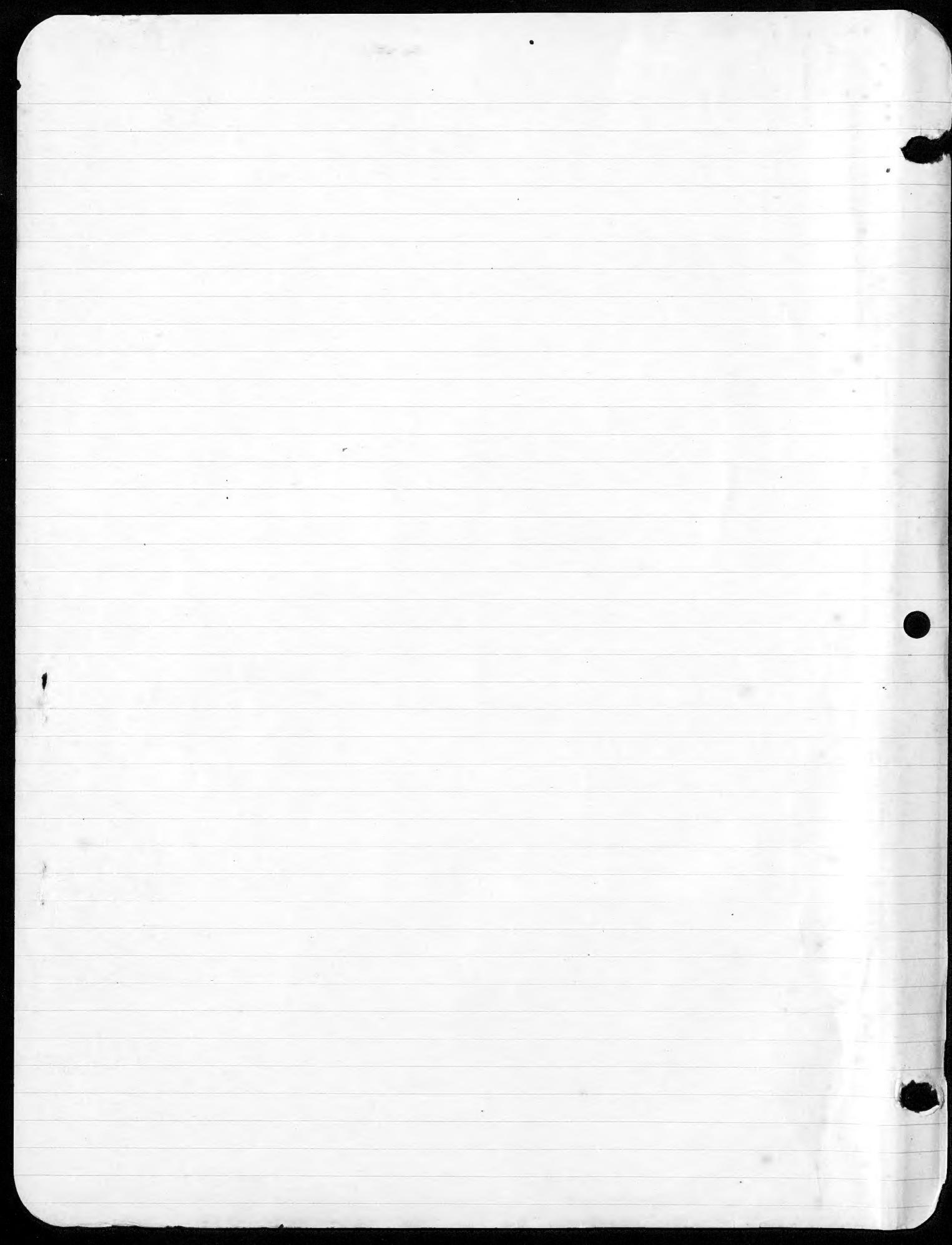


ASA L. SHIPMANS SONS
NEW YORK

128 S
COMMONSENSE BINDER
REG. U. S. PATENT OFFICE

1948 Archbold Cape York Expedition

Analysis of Plant Collections
by Habitats.



Lockerbie

Rain forest - main body:

Primary forest

1

Primary forest margin

4

Secondary forest

5

Rain forest "islands"

6

Rain forest - gallery woods

7

Black Tea-tree Scrub

8

Savanna forest: general

9

Savanna forest of wet leather flats

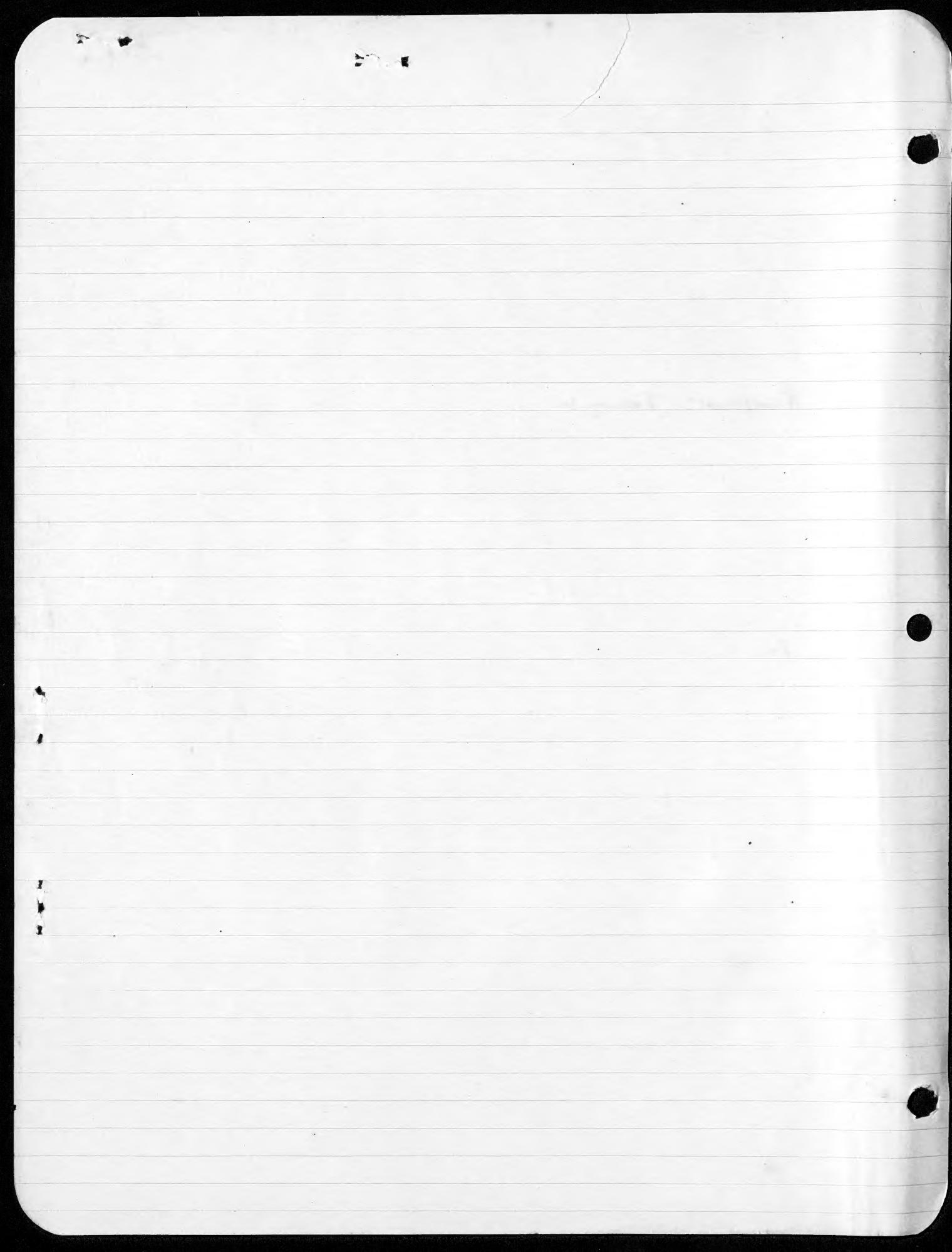
10

Tea-tree swamps

11

Water plants

12



Trachibia

Rain forest - main body on central ridge of Peninsula.

Continuous from near Red Island Point to near tip of Peninsula. Penetrated by pockets of savanna forest, mostly in valleys.

Pr

Canopy

18402. 0

1' for timber.

18551. 0

2. ? try
low levels.

18816. 0

81: up to 5.5 cm.

- 1A.

(over)

0

Notes - attached to back of page

Fabric

18388.

0: ?

89.

iii.

90

91. 0

18594. 0

n. DAMURRA
flavous pink

13808. 0

09. 0

10. 0

11. 0

12. 0

0

Locks

near Savannas with tall Trachibia ? palms.

Galutia? P. locally on banks of streams. ± 60 ft. (in groups).

7 sp. Palms seen near Savannas (2 fan-leaves, 1 Talam, 1 Tuyote, 3 palmate).

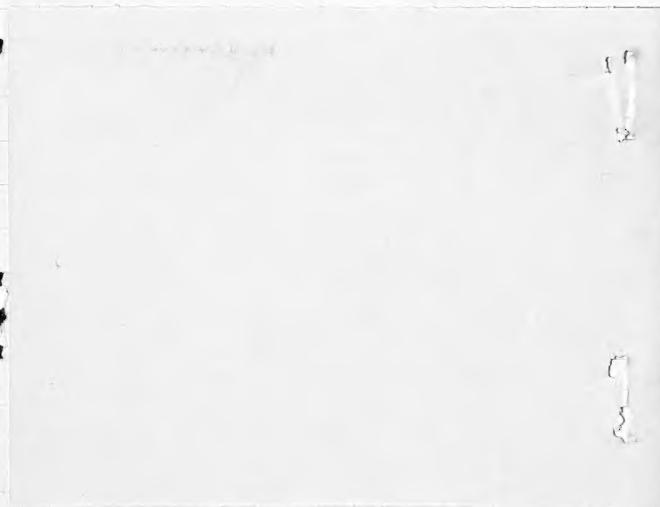
Abbreviations

A.	= abundant
C.	= common
Sc.	= scattered
*S.	= sporadic
F.	= frequent
O.	= occasional
Consp.	= conspicuous
Fls.	= flowers
Fr.	= fruit
Leaves	= leaves
P.	= plentiful
Uncom.	= uncommon
Brown	= brown
White	= white
Green	= green
Mag.	= magnificient
Char.	= characteristic
Sp.	= species
Sp.	= several
Sol.	= solitary
Blk.	= black
R.F.	= rain forest

S.J.F. = savanna forest

D. = dominant

Sol. = solitary



Hollinger Corp.
pH 8.5

Tuckerbie

Pain forest — main body on central ridge of Peninsula.

Continuous from near Red Island Point to near tip of Peninsula. Penetrated by pockets of savanna forest, mostly in valleys.

Primary forest:

Canopy trees:

18402. *Pithecellobium*. C. up to 20 m. x 50 cm. Involucres of fl. only. Buds for timber.
Sometimes out on S.F.

18551. *Tamia floribunda*. P.F. edges. lf. to 20 m x 50 cm. Fl. young. Fls. ? Very
soft, scaly bark. Resin a gum used for mounting spear heads.

18816. *Taphi*:
O. in edges (F. in adjoining S.F.) ± 20 m x 25-30 cm. Fls. up to 8.5 cm.
dia. Bark thick, hard, corky, b., firm. WR-LA.
Acacia. *Small Hickory*: P.F. edges & dry type of forest.

Subdominant trees:

18383. *Tam.* 15 m. x 20 cm. Fls. cream. Fls. young.

89. *Mys.* Substage. 8 m x 10 cm. White fls. later pinkish. Fls. ?

90. F. in substage 6-8 m. Fls. wh. Fls. ?

91. *Tam.* Substage. 8 m. Fls. young. Lvs. faintly aromatic.

18594. *Rub.* 15 m. x 25 cm. Fl. buds only. Fls. red, fleshy.

18808. *Typhium* F. in substage. 6-8 m. Fls. wh. (in bud only).

09. *Tayota* S. up to 16 m. x 20 cm. Fls. red. Leaves & glaucous. DAMURRA

10. *Mon.* Substage 10 m. Fragrant fls.; yellow reflexed petals. Petals pink.

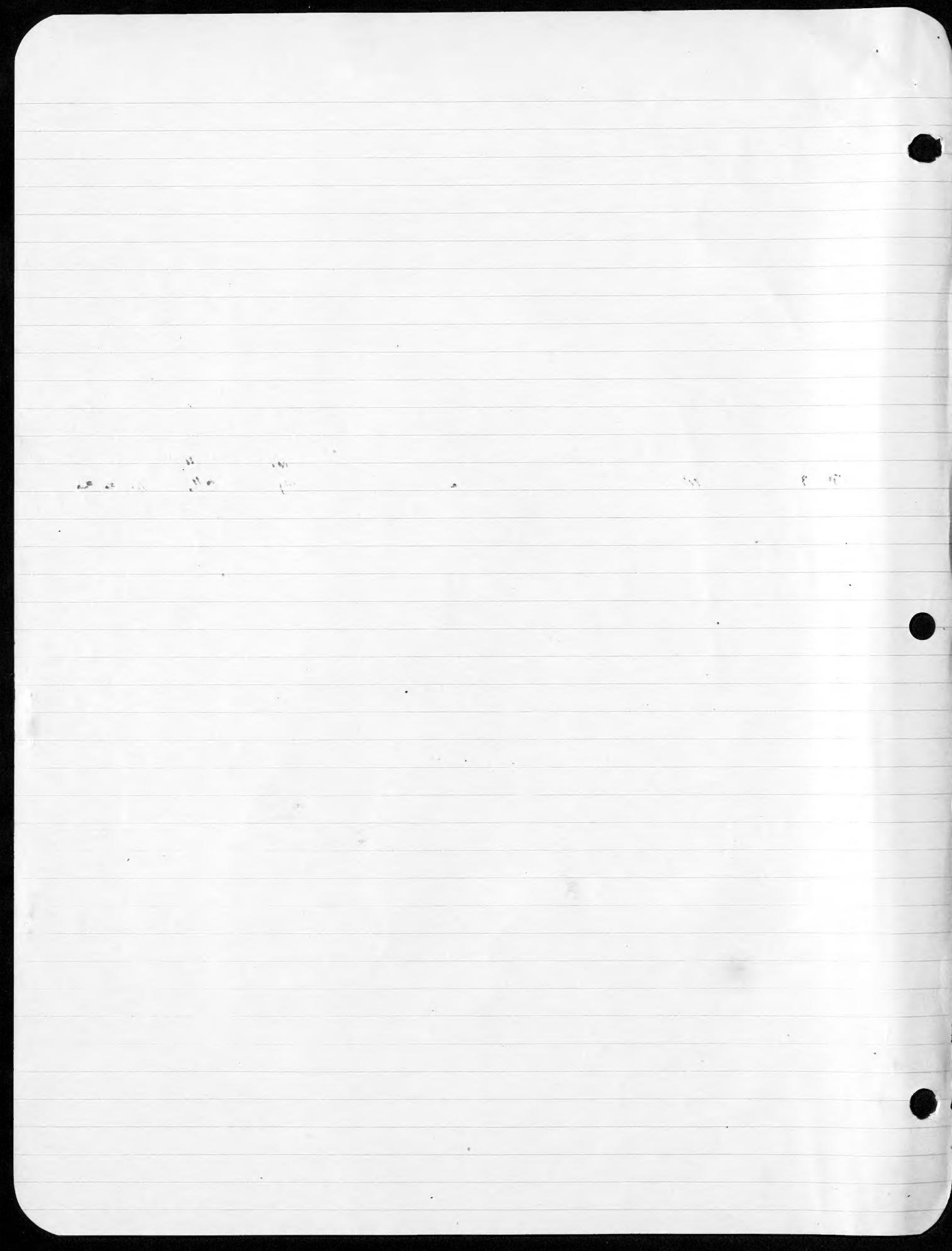
11. *Rub.* Substage 10 m. Fls. white.

12. Substage 8 m. Fls. wh. Fls. white.

Pandanus. ± 30 ft. slender, with long, branched prop roots; P. close to a creek
near savanna with tall *Tuckerbie*? palms.

Eugenia? P. locally on banks of stream. ± 60 ft. (in groups).

7 sp. *Patrum* seen near Savanna (2 fan-leaved, 1 *Tulanea*, 1 *Tayota*, 3 *kinnowi*).



Primary rain forest - main bodyClimbers:

Belamia 12 ft. seen near town

Epiphytes & Parasites:

18384. Toraanthus. F. ± 1m. Fls. red.

18628. Toraanthus. On *Terminalia* sp. in forest edge. Small, compact sp.

40. Polypod. F. on tree & rock. Trifid & non-foaming. 60-100 cm. Large shield leaves. Very consp. sp.

18806. Fungus. On rotting wood.

07. Fungus. On rotting wood.

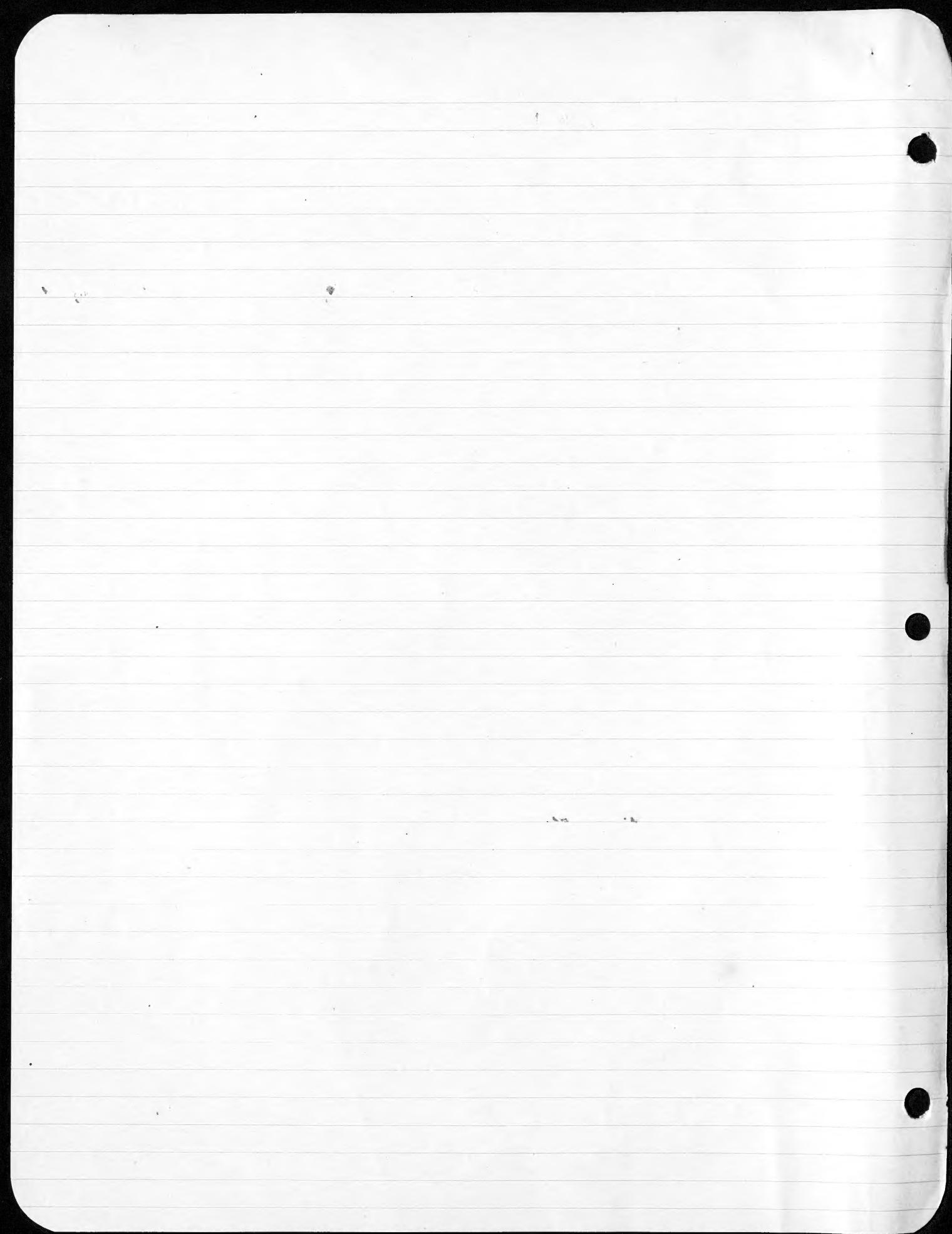
Woody undergrowth:

18374. Trion. S. ca. 1m. monoecious.

94. Dracaena. O. 50-60cm. Stems red fleshy fls.

98. Ziziphus. P. in dryish sp. (also second growth) scrambling 2-10 m. Fls. whitish. Fl. blts. not eaten by natives. "Maai-a-wile"

18815. Palm C. clump sp. 5-7m. Fl. buds only. Leaves pinnate
Phoenix sp. capilli-gaster

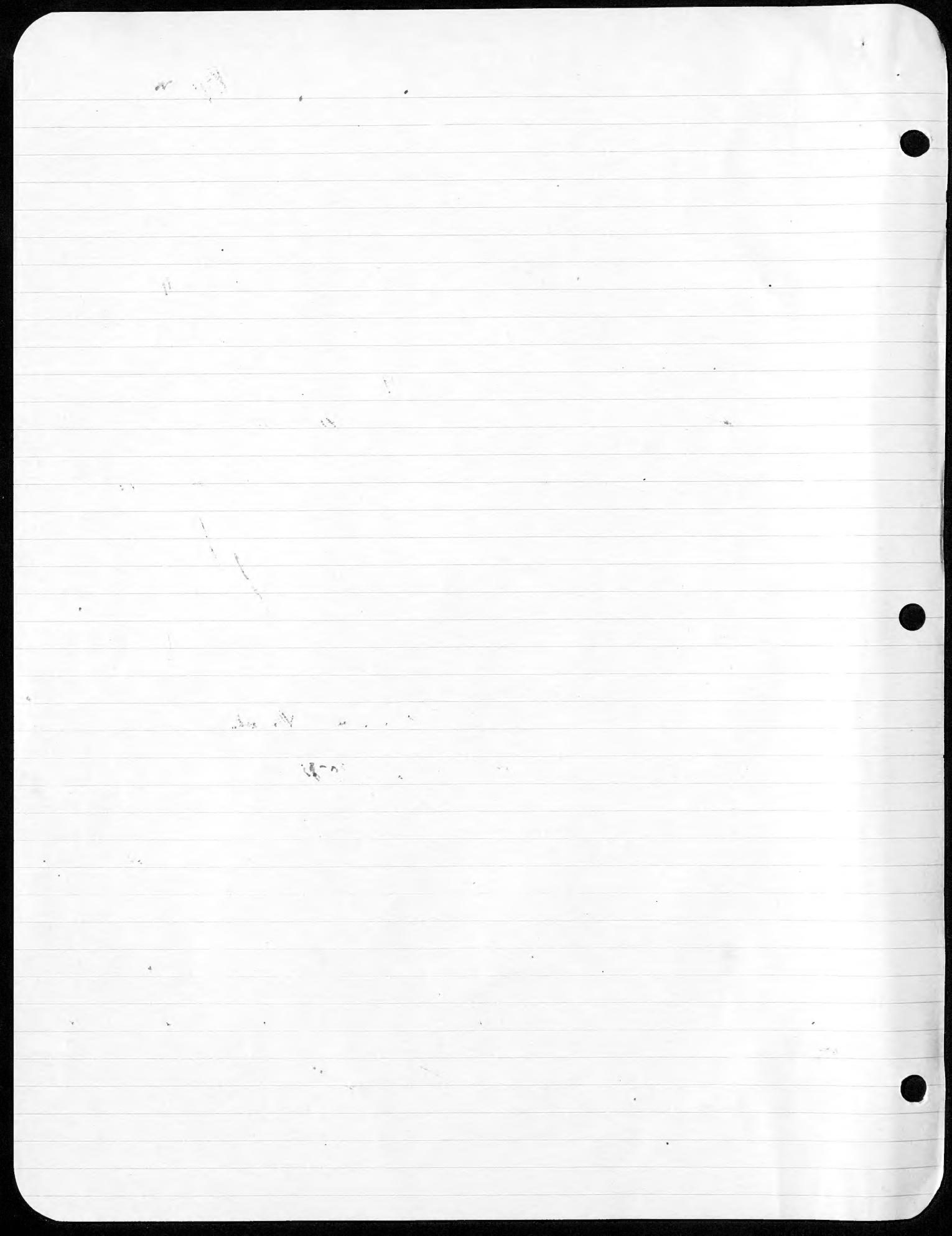


Primary rain forest - main bodyHerbaceous undergrowth

18385. *Lindsgaia*. fl. on rocks (Salientia). up to 25 cm. Proliferous
 86. *Stem?* 1 plant " "
 92. *Tran.* 1 sample.
 18634. *Fern.* sog. on shady moist bank of a stream. 10-15 cm.
 35. *Bryozoa*. muddy edges of a stream. 50-60 cm. stem acutely 3-angled.
 16. *Moss.* Covering stones (O.).
 18817. *Franklinia* C. floor plant. 25-35 cm. fl. wh. or pinkish

Fungi

18383. On rotten wood.

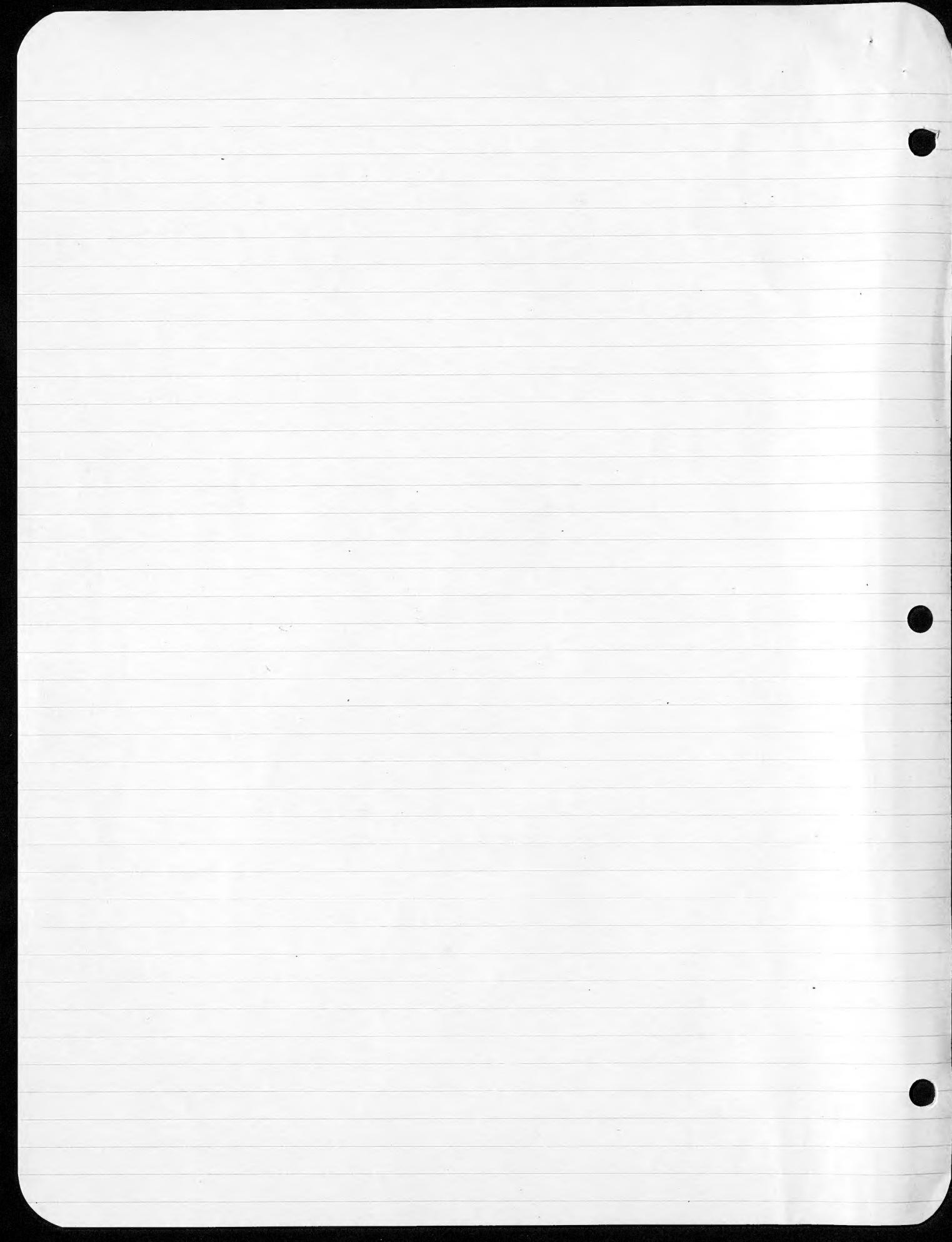


Hockenbey

4

Primary rain forest - margins - main body

18387. *Typhus*. C. in a clearing. Stems up to 1 m.; red.
 95. Tree 5 m. Fls. ? St. black, fleshy, blandly sweet.
 96. *Aristolochia* F. slender vine 2-3 m. Fls. yellow & purple. Toff-fleshy leaves.
 98. *Mocca*. C. on grassy edges. Tree 6-10 m. x 15-25 cm. Fls. wh. Fls. ?
 Bark grey-brown, hard, deeply fissured. AM81.
 18487. *Propria* F. (also in 2nd. growth). Shrub 1.5-2 m. Fls. red.
 28. *Panicum* Tree in shade. 30-40 cm.
 30. *Panicum* Shady edges. ca. 70 cm. Panicles drooping.
 35. *Tam*. C. grassy edges. Shrub 60-80 cm. Fls. yellow.
 71. *Dianella*. F. " " Fls. blue.
 92. *Rhipidogonium*? Grassy edges. Vine. Fls. purple.
 99. *Tonnet*. C. " " Ascending. Fls. blue
 18580. *Tonnet*. C. " " Fls. purple-pink. Roots tuberous.
 2. *Kerria* O. " " Fls. cream
 3. *Tob.* 1 plant " " 20 cm. Fls. purple.
 44. *Solanum* Shrub 2 m. Fls. purple. Fls. red, yellow, & 15 mm. dia.
 91. *Burcuma* A. in grassy edges. 50-80 cm. Bracts pink.
 92. *Hysodium*. Climbing in long grass of edges. & 1 m.
 93. *Oplisacma* C. in edges. Procumbent & ascending caules ca. 1 m.
 95. *Typhus* Tufted in shady edges. ca. 40 cm.
 96. *Pollia* Shrub 2 m. ^{caules} ~~under shade of marginal trees~~ 1 m. ^{on shrubs} ~~on shrubs~~
 97. *Sporoeca* Grassy edges. Vine 1 m. Fls. wh.
 18685. Nam. Semi-shade of edges. up to 1.5 m.
 26. *Panicum* Tree in semi-shade. 70-80 cm.
 30. *Tranthemum* C. in rock crevices. ~~up to~~ 15-20 cm. Fls. wh.
 31. *Tam*. Various hosts on margins.
 32. *Alloc.* Large scrambling shrub 4-5 m. Edges dryish R.F. Fls. cream. Fls. purple.
 40. *Polyosma*. F. & comp. on rocks & trees. Creeping & nest-forming.
 50-100 cm. (large shield leaves).
 41. *Dioscorea* Vine 2-3 m. Tuberous root by no means.
 43. *Moss* On dry lateritic rocks.
 44. *Moss*. " " Grey sp. like on ^{petioles} ~~on~~ Florida cabbage palms.
 18814. *Leea* O. slender tree 5-7 m. Fls. purple.
 13. *Ensete* F. shrub 2-3 m. Fls. cream. Fls. red.

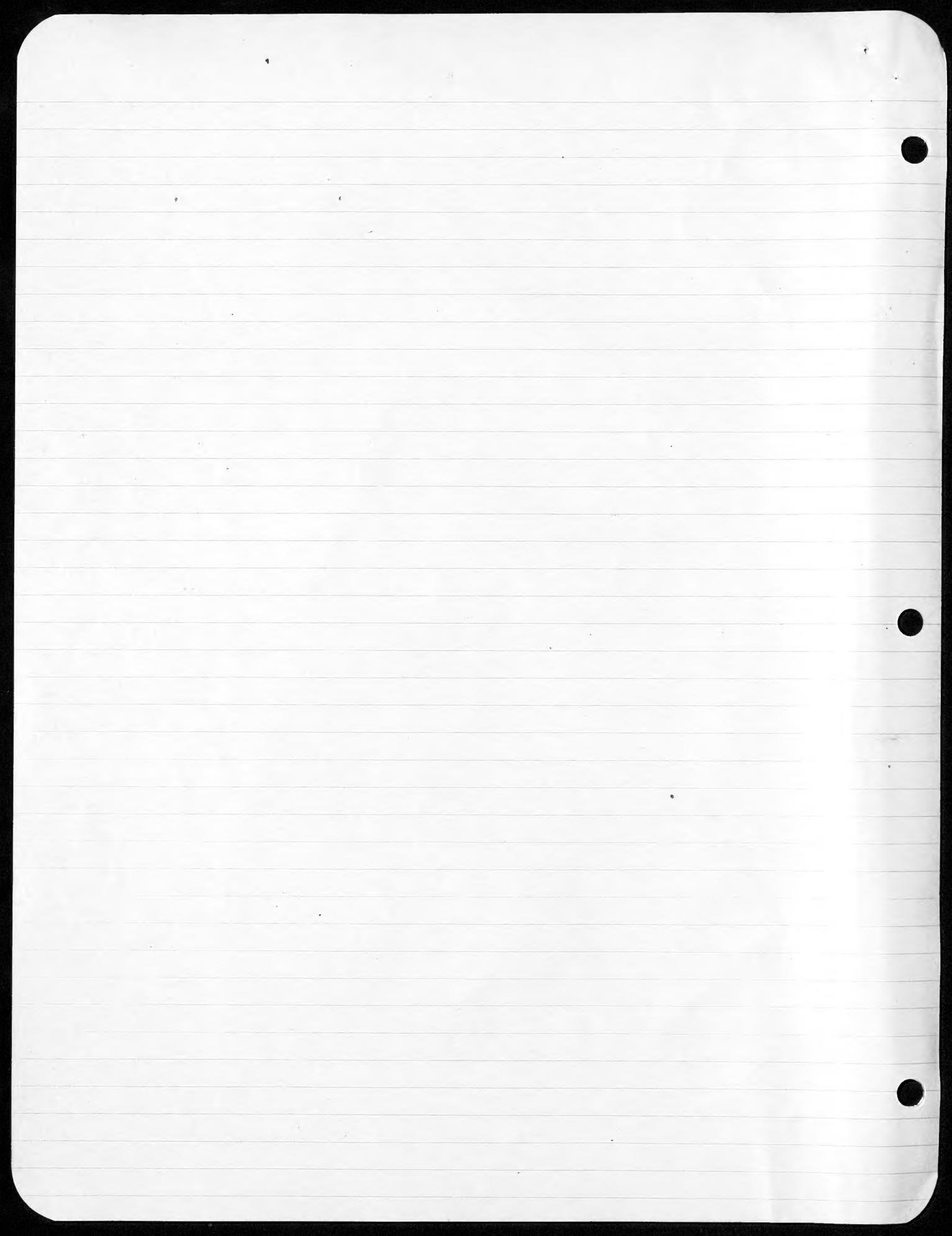


Secondary rain forest:Trees:

18600. *Aphyllonia* A. 8-12 m. x up to 30 cm. Fls. br.-wh. Fl: ? Leaves gray below.
1. *Randia* C. 5-7 m. Fls. ? Fls. large, white. Fls. wh., fragrant.
= 18617. Tree or shrub ~~up~~ up to 6-5 m.

Other plants:

18397. *Thunif.* Vine 1 m. Soft-red fls. in green bracts.
88. *Zigzagbus* P. scrambling shrub 2-10 m. Fls. wh. Fls. ~~white~~ ^{not taken} by natives
"Wait-a-white". 18600. in dryish r.f.
18627. *Progne*. F. (also a fl. margin). Shrub 1.5-2 m. Fl: nu.
18813. *Tecoman*. F. Shrub 2-3 m. Fls. cream. Fl: nu.



Locknbie

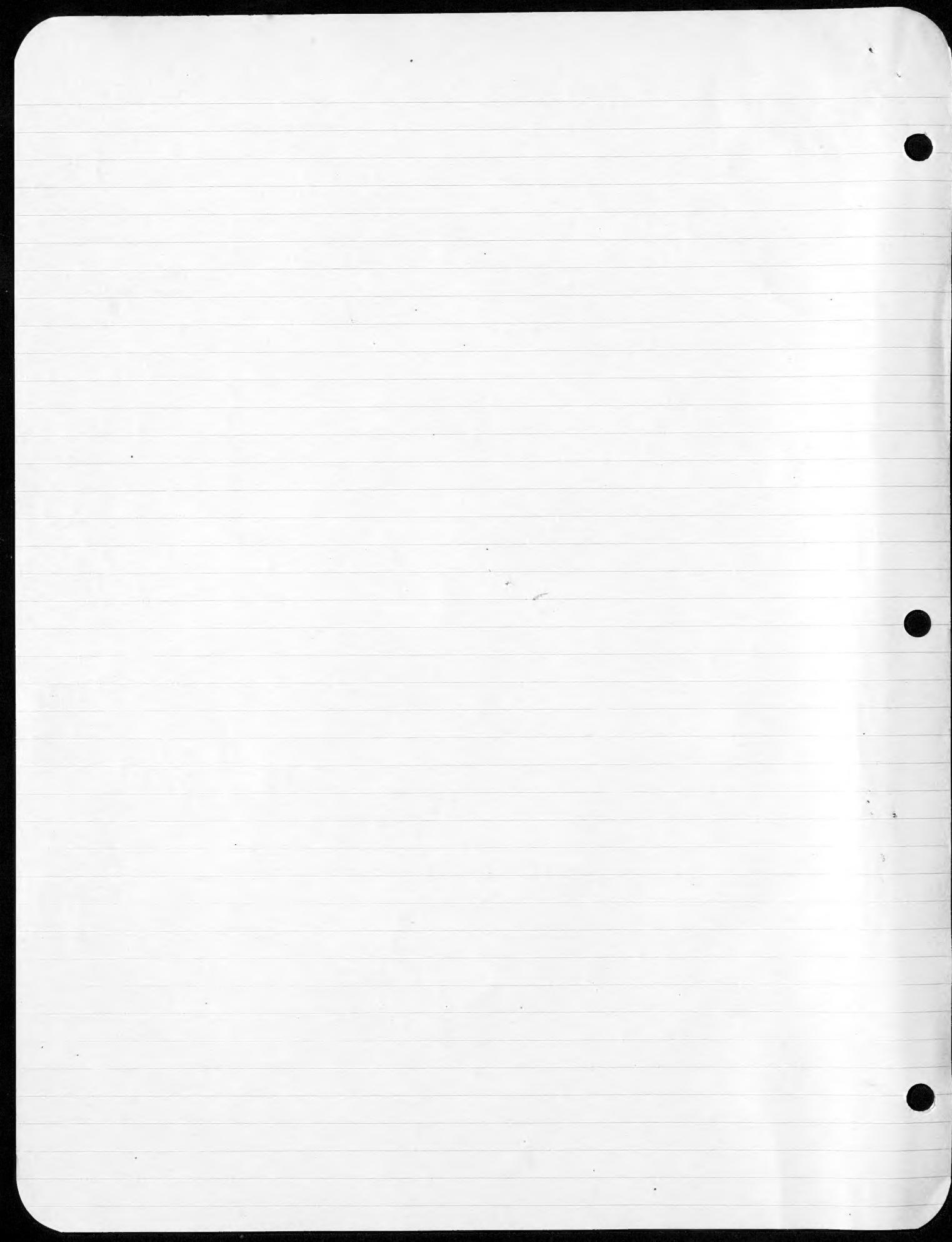
6.

Rain forest "islands". Scattered in savanna forest.

Trees:

18436. Terminalia. In small patches forest on pebbly ridges. 12 m. x 30 cm. Fl. buds. Fl. 6/12, rather by matins. Leaves soft; very convex.

Undergrowth:

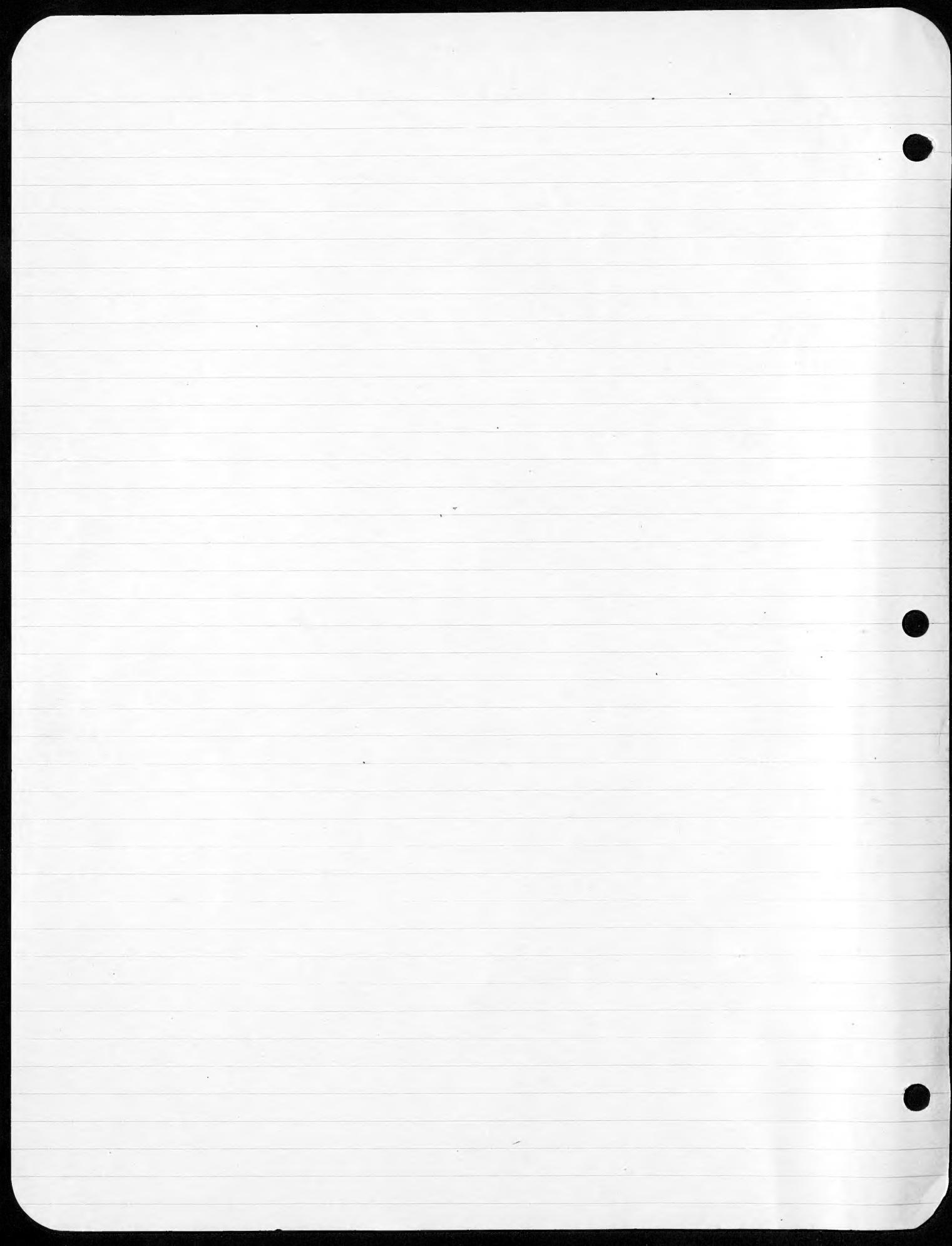


Tockessie

7

Pain forest gallery woods. On banks of streams in ravine-forest.

18410. *Dodonaea*. F. edges of woods. Tree 6-8 m. x 10-12 cm. Fls. young. Bark hard fibrous firm and ^{fls.?}
18411. *Lindleya* P. on outer edges. 30 cm.
18412. *Strel.* O. tree 3-6 m. Fls. pale pink. Fls. young. Single or few branched.
18413. *Myrs.* O. tree 10 m. x 25 cm. Fls. only. Smooth eucalyptus-like bark.
(A. in open bed of stream - Taroduya Bl.).
18416. *Tab.* Edges of woods. Bark 30 cm. Fls. wh.
18537. *Rosin.* Few large clumps ca. 1.5 m. in sandy bank of Taroduya Bl.
Stems stiff; bluish-green.
188. *Wormia alata*. P. tree 10-20 m. x up to 50 cm. Fls. yellow. (also J.F.).
39. *Jacksonia*. O. on outer edges. Tree 3-4 m.
41. *Neos.* On bank of *Wormia alata*.
43. *Tanu.* P. on gray banks shaded forest & inundated by floods. Tree
small clumps 60-80 cm
45. *Toromethus*. On a tree. Stems red, purple & yellow fls.
46. *Tanu.* slender tree 10 m. Fls. greenish. Fls. young.
47. *Reb.* C. in edges. (also under shaded trees in J.F.) Shrub 1.5-3 m. Fls.
Bark, flesh, depressed-globose. ca. 7 mm. dia.
48. *Cyclophorus* F. trifoliate. Fleath leaves crowded in pale green clumps.
49. *Myrsid.* O. slender tree 10-12 m. Fls. fruits only.



Black leather scrub: Body parts.

18505. Tram. Tram. Sc. through scrub. 60 cm. Tufts few slender small culms

19. Typh. C. " " 60-100 cm. Forming stiff clumps

7. Restia Chief plant of a very open ground cover. Stems very many drooping stems 260 cm.

8. Typh. Sc. 30-60 cm. Tram usually sol. stems.

9. Thryptomene oligandra. Thif. D. Tree 5-10 m. x up to 400 cm. Fls. wh. Stem usually straight branched near ground. Bark dk. gray, fibrous, furrowed. OTUMDOUN

10. Menis. Climbing 2 m. Fls. ? Fls. sol. fleshy.

11. Dendrobium C. epiphyte on branches 1-2 m. from ground. 20-40 cm. Fls. waxy purple-br.

12. Tiliac. P. & a Ch. shrub. 1-2 m. Fls. ^{yellow} ~~yellow~~ ^{orange} pillow, delicate. Bunching a few long, weak branches. APURANAMU

13. Myrs. One tree seen 8 m x 25 cm. Stems. Drooping branches. Bark dk. gray. thin, fibrous, furrowed.

14. Specie. (V.A. tree or shrub 7-12 m. Fls. wh. Much branched, shaggy, w. ^{downy} ~~downy~~ leaves)

15. Specie. A. shrub 2-3 m. Fls. wh. Abundantly but rather openly branched.

16. Leptospermum Thif. D. ney - 6 18505. Tree 8-10 m x 20-80 cm. ^{fls. orange} ^{branch} Much branched rounded crown. Dark gr-br. fibrous bark.

C. leaf 3-5 cm. Moist base sandy soil. Fls. wh.

17. Mon. On moist sandy soil.

30. Mon. Gray-green cushions on moist sandy soil.

31. Mon. P. Clinton. = fl. of Newcastle Bay.

Boya Dischidia sp. D. Pofflesiana & 1 or more small sp. V.A.

68. Metaleuca eff. synphytocal. A. D. in small patches down Taradunga Fls. tree 10-12 m x 25-85-
Fls. wh. Dense crown upright branches. Bark dark gray, rough, fibrous.

71. Jacksonia. A. in small patches down Taradunga. Tree a shrub 7-14 m. Fls. ^{pink}

Mopanthes. C. scattered in openings.

For note on Zecophorus sh. near mouth of Panamint River
see Journal p. 195.

Hockenbie

8

Savanna forest. Occupying most of the area. Various types, excluding the communities of wet bottom flats.

Trees:

18365. ? S. in Woodwood S.F. on reddish loam. 2-6 m. Drooping batis. Fls. yellow. Fls. eaten by cattle.

66. *Banksia integrifolia*. O. 10-6 m.

99. *Acacia*. C. grayish edges R.F. 6-10 m. x 15-25 cm. Fls. wh. Fls.?

Bark gray-brown, hard, deeply fissured. AMBI.

18400. *Alphitonia*. Sc. 8-12 m. x up to 30 cm. 1840 secondary R.F.

62. *Blighia sapida*. O. in S.E. of ridge (a R.F. sh.).

08. *Mitchella longipetiolata*. C. throughout on sandy soil. Up to 12 m. x 60 cm. Fls. yellow, some red. Thin pale brown bark shedding in thin cartilaginous scales.

18413. *Mops*. A. in open rocky bed of Tandanya. Smooth eucalyptus-like bark. Fls.?

18538. *Wormia glabra*. S. (P. in gully R.F.) 10-20 m. x up to 50 cm. Fls. yellow.

42. *Acacia* AMBI. P. on sandy soil. Up to 12 m x 25 cm. Fls. cream. Fls.?

51. *Tanqua floribunda*? C. in S.E. adjacent to R.F. Up to 20 m x 50 cm. "Gum tree" or APPALACHIAN. Stem or root used for cementing spear heads.

52. *Pandanus* sp. C. & in places forming small groves on sandy soil. 6-8 m. Mori-10.

66. *Bauhinia* Few trees gray on a dry sandy slope (20 m). 6-10 m x up to 20 cm.

18607. Mel. Leuc. var. F. on acid sandy flats. 6-8 m. Fls. very pale green. Branches crooked. White papery bark.

11. *Mitchella* C. on sandy soil. Up to 20 m x 50 cm. Fls. gray. Thick thick trunk. Brown spreading. Bark brown, fibrous, flaky.

12. *Eucalyptus* C. on grayish sandy soil. Up to 15 m x 40 cm. Fls. buds only. Smooth gray or brownish bark. Branches often pendulous. Papery.

13. Mel. Leuc. var. Fls. like tree of stream banks & waterholes. Up to 25 m x 50 cm. Fls. cream; heavy burnt sugar odor. Branches drooping. Bark papery, grayish to brownish-white.

22. *Erythrophleum*. F. in Woodwood S.F. on a hard pebbly limestone ridge. 7-8 m. Thick

{ *Parinari nonda*. C. & growing in fairly large size.

Woodwood 12 ft. The most common eucalypti.

Mitchella macroloma P. on sandy flats: big tree.

Emilia stricta C. locally. T. shrub.

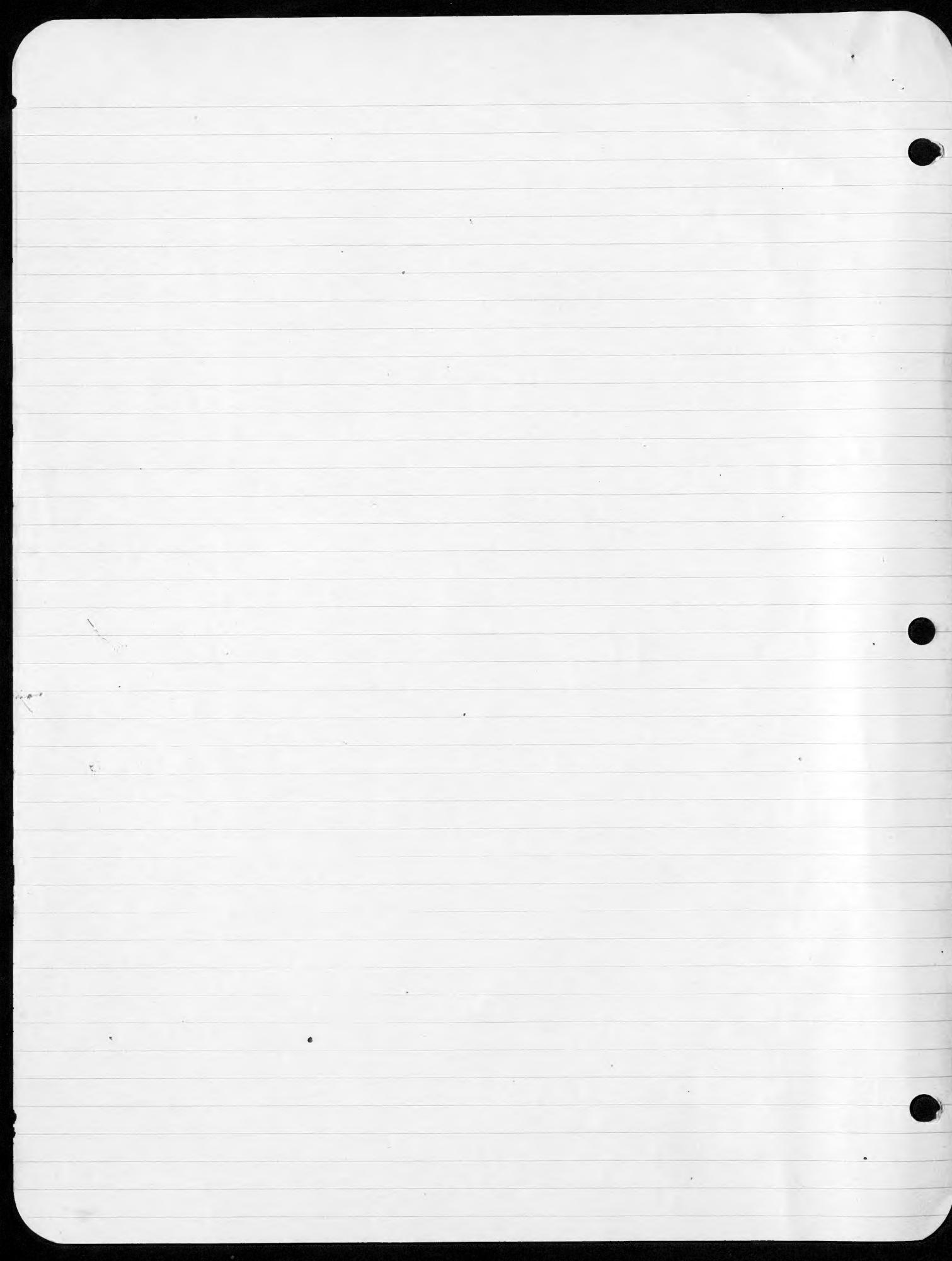
Smilax O. large leaves.

Erythrina. P. on sandy bark. slender fl. 1-12 m.

Tanqua australis F. modest tree.

Morinda citrifolia P. especially about edges R.F.

Xanthostemon crenulatus (#18140) "from north of Jardim River".



Tavanna forestShrubs

18403. *Euphorb.* C. on sandy creek flats. 50-80 cm. Stems many from thick woody stock.
 85. *Euph.* C. ca. 1.5 m.

18501. *Dioscorea*. 1 plant on grassy bank of a stream. 1 m. Fls. not seen.

47. *Rub.* F. under shelly trees (also in R. G. Valley woods). 1.5-2 m.

81. *Burk.* fls. dry, depressed - globose. 2-7 mm. dia.

WpenthiesGrasses

18367. *Setaria* F. on reddish lateritic soil. 80-100 cm.

68. *Pennisetum*? 18 fls. sp. on reddish lateritic soil. Few small culms \pm 1.5 m.

69. Treg. in openings between tall grass sp. \pm 80 cm.

71. *Setaria insignis*. 18 fls. sp. on reddish lateritic soil. Clumps of few culms up to 2 m.

73. S. on soil ridge. ca. 1.5 m.

75. O. on hard red lateritic ground. 40-60 cm.

78. Treg. on fairly lateritic soil. 60-70 cm.

83. *Andropogon*? Sc. in old clearing in r.f. 70-80 cm. Grey scurfy spikelets (cens).

18405. O. sandy treeless patches on creek flats.

09. O. sandy river frontage. Small tufts \pm 80 cm.

16. Gng. locally on treeless sandy patches. Small tufts 50-60 cm.

19. *Stenotis* Towering treeless sand patches on creek flats. 80-90 cm.

20. *Eragrostis* H. with 18419. Few small culms. Spikelets reddish. 80-90 cm.

22. *Eragrostis* R. " ~ 80 cm. Narrow tufts spreading culms up to ca. 2.5 m. ^{1/2" dia.}

14. *Sacciolepis* S. among tall grasses. Lf. to 50 cm.

62. *Eulalia*? Treg. locally on open sandy patches on ridges. 80-90 cm. Spikelets glistening dark brown.

65. *Themeda* Sc. on moist sandy soil. Clumps few stiff small culms ca. 120 cm.

66. *Eragrostis* Sandy soil

67. C. moist sandy soil. 100-130 cm. Tufts of few small culms like sandy soil.

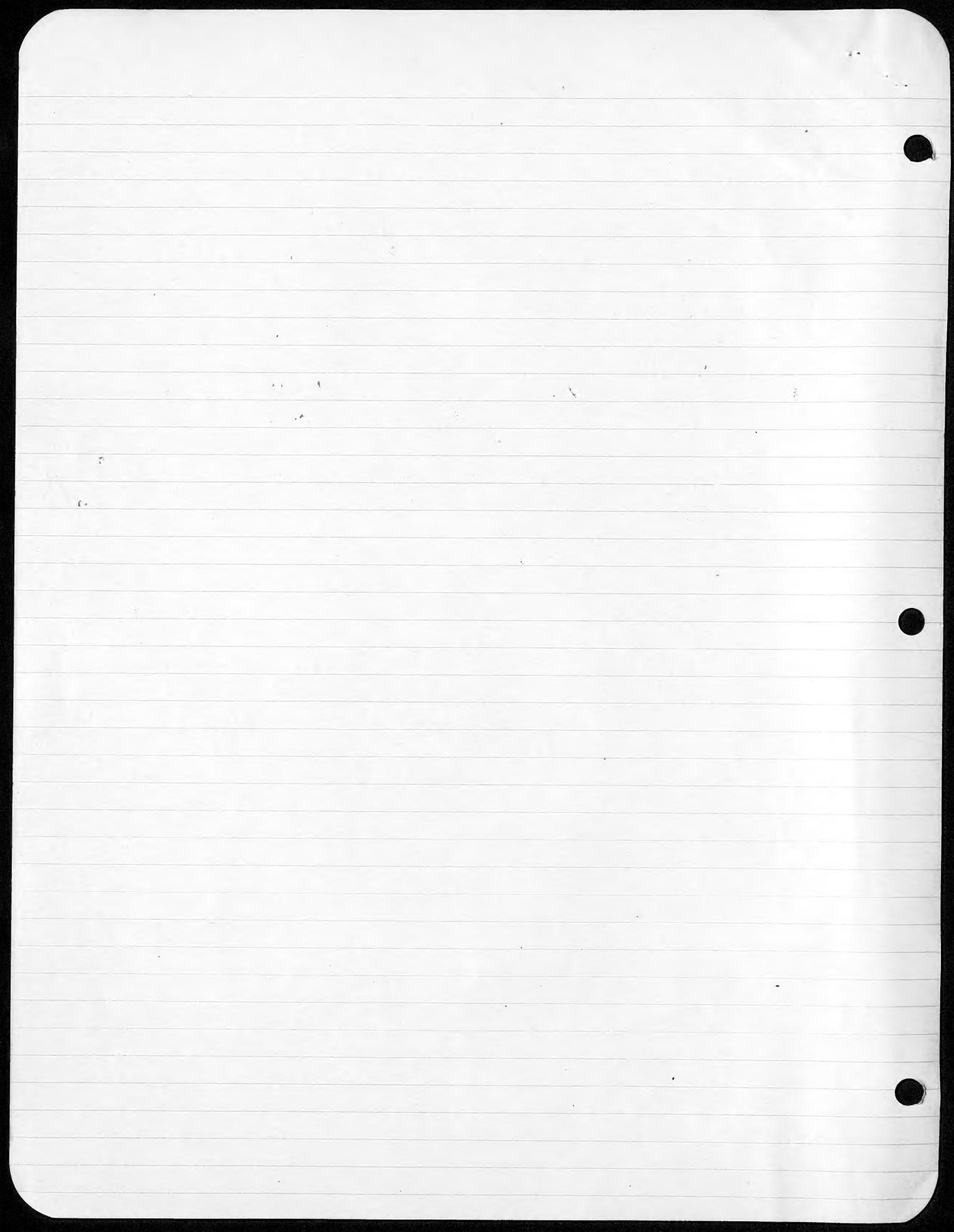
76. *Sorghum* F. on banks of streams. ca. 1.5 m. Tufts 2-3-cm. culms.

77. *Stylosanthes* S. sandy soil. 1-1.5 m. (well & poison baobab 004!).

78. S. among tall coarse gr. 0.1 m. Tufts several drooping culms. Roadbanks. 80 cm. Tufts many upright wing culms.

80. O. " seasonal stream. 80 cm. Tufts several moist stiff culms

81. *Stenotis* Few tufts " 1 m.



Savanna forestGrams. cont.

18482. Sc. on floodbanks. Tufts many drooping wing culms 80-90 cm.

83. *Sacciolepis*. Mt. sandy floodbanks of a seasonal stream. Panicle ^{flabby}.

90. Sc. in a damp watercourse. to 2 m. Flowers red; usually ^{solitary}

91. *Themeda* Sc. uncommon. up to 1.5 m.

92. Sc. in a moist watercourse. 70-90 cm. Tufts few ^{and stiff} culms

93. Large clump on a ^{terracette} mound.

96. *Torghum* Sc. in sandy soil. up to 1.5 m.

97. *Pennisetum* ? C. in moist watercourses. up to 2 m. Mostly part-freighting.

98. Sc. " " - 70-80 cm.

18554. Trop. on hard sandy ground.

90. *Andropogon* O. in moist watercourses. Tufts of few culms 1-1.5 m.

98. A. on pebbly ^{terracette} ridges. 60-80 cm. Tufts culms 1 or several ^{in small tufts} local .. - 30-50 cm. Spikes silvery

18614. *Tragopogon* Sc. tufts (Briza-like) on moist sandy floodbanks. 60-80 cm.

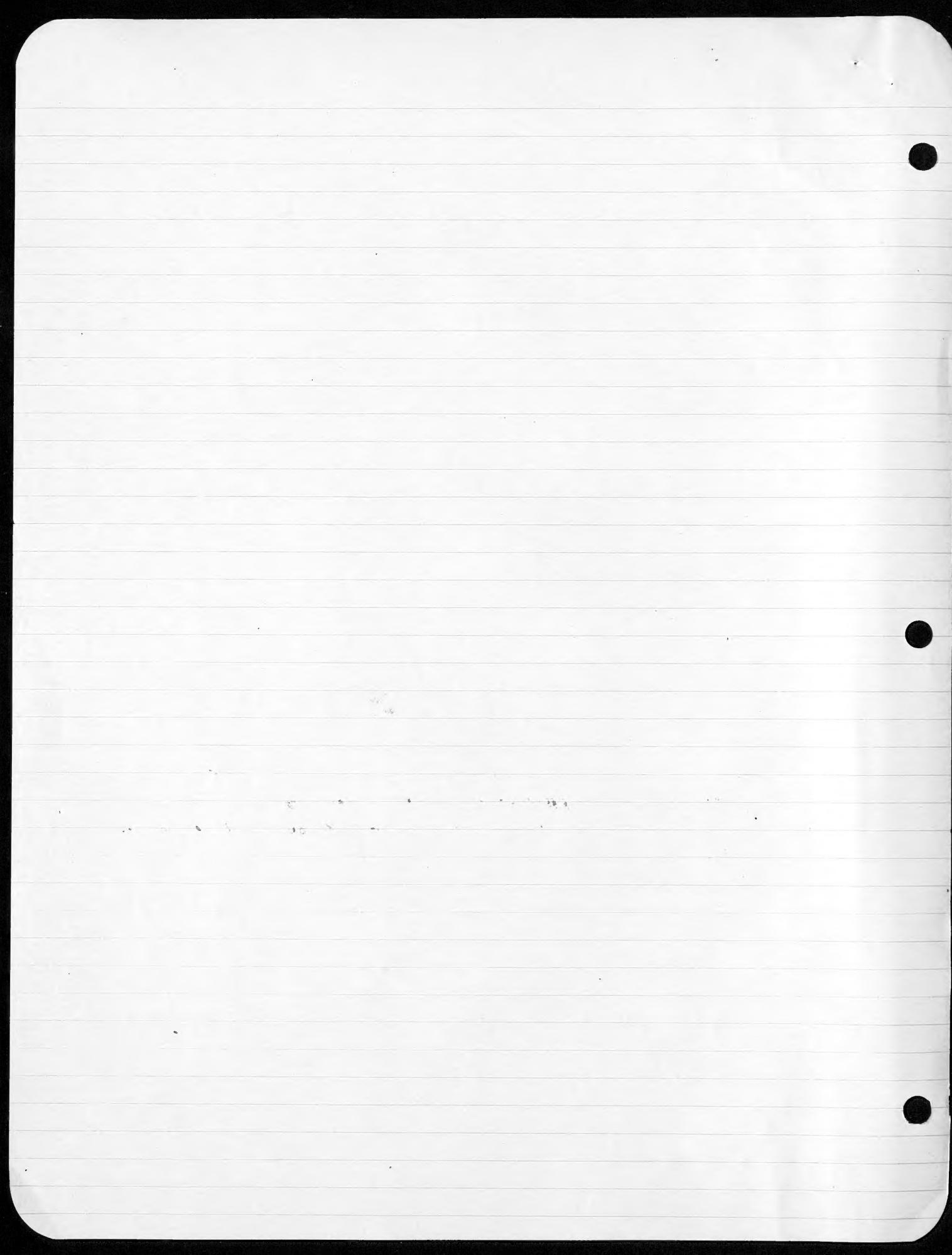
18. Sandy floodbanks. 80 cm.

19. Mt. sandy floodbanks. ca. 60 cm. Spikes ^{flabby} part-freighting

23. C. on a hard pebbly floodwood ridge. 20-30 cm.

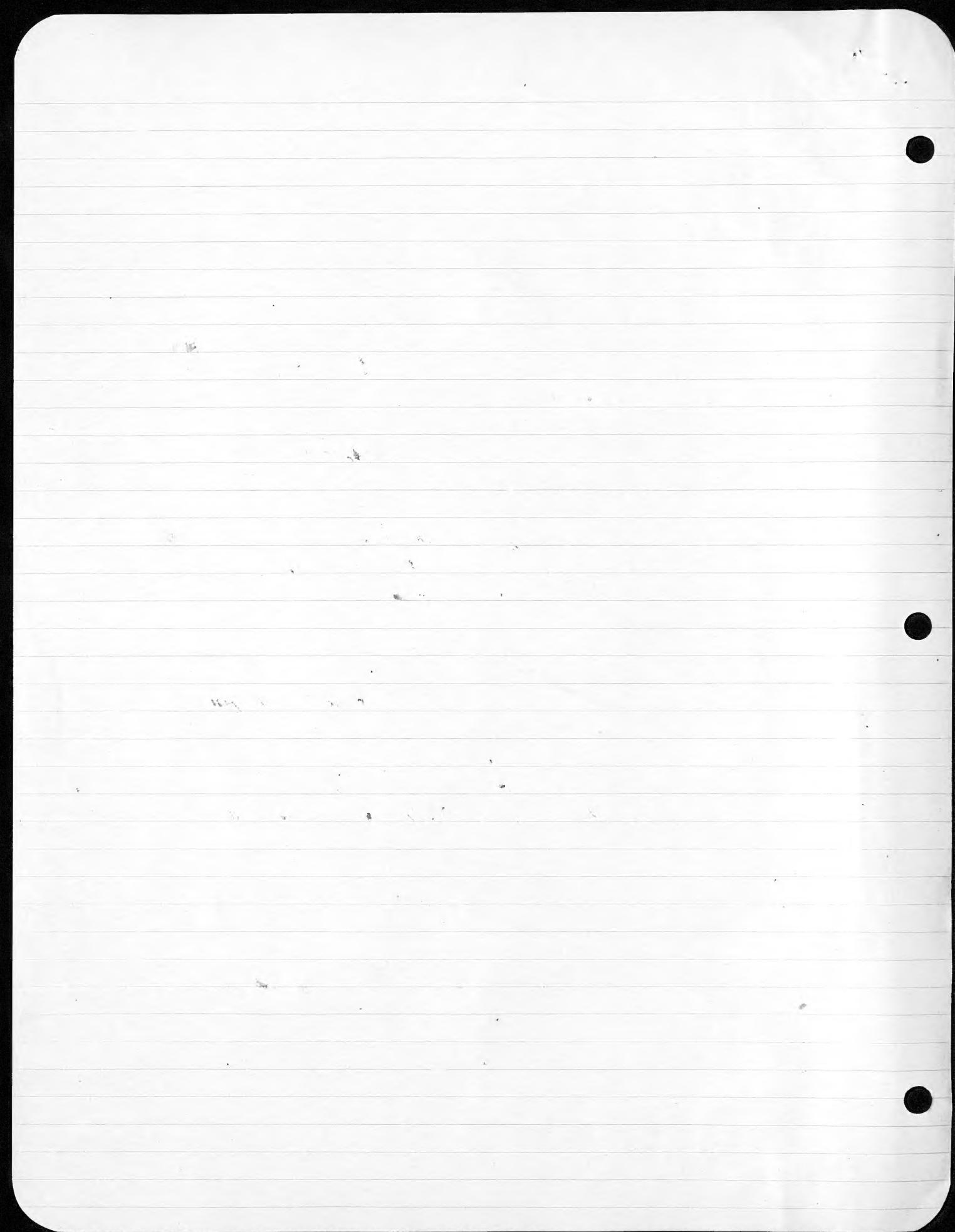
37. Trop. locally on sandy loam. 60-80 cm. Panicle drooping. Spikes ^{reddish}

42. Trop., close to R.F. 30-50 cm.



Tavanna forestEdges:

18370. *Typhus* S. on reddish lateritic soils. 50-70 cm. Treel. 30 ft. +
72. *Typhus* S. " " " 60-100 cm. " " "
18206. *Rhynchospora* O. sandy creek frontages. 30-50 cm.
71. C. treeless sand patches on creek flats. Blue-gr. Stems several
mt. stems 70-100 cm. Rhizome present.
40. Roadside. 10-15 cm. bluish-green.
43. C. locally on moist ground. 10 ~~to~~ 45 cm.
45. One plant in moist sandy soil. 30 cm.
46. *Typhus* Moist sandy soil. Blue-gr. 10-25 cm.
53. S. moist sandy soil. 30-70 cm.
54. S. amongst small annual grasses on hard pebbly ridge. ca. 20 cm.
58. *Typhus* O. moist sandy soil. 80-90 cm.
59. *Rhynchospora* C. locally on hard lateritic ridge. 10-40 cm.
60. *Scleria* S. among small annual grasses on hard pebbly ridge. up to 40 cm.
61. *Scleria* S. in S.E.
72. *Scleria*. O. clumps on moist bank streams. ca. 1 m.
73. *Typhus* Sc. gravelly flood banks. 80-100 cm.
74. *Typhus* Tre. in wet sandy bottom of a seasonal stream. 20-30 cm. Fluffy.
18540. ♂ C. locally on creek banks inundated by high floods. Very many
wing stems in clumps to 60 cm high.
C. on open sandy creek banks. 30-40 cm.
18606. *Rhynchospora*. Few *Juncus*-like tufts 40-70 cm. in sandy bed of a stream.
33. *Typhus*. Few tufts in a sandy watercourse. up to 1.5 m.
36. C. in a sandy watercourse. 60-80 cm. to 1.5 m.



Savanna forestHerbs:

18376. *Berm.* C. locally under cover tall grasses on red lateritic soil. 30-40 cm.
77. F. under dense " " 15-25 cm. Wh. fl.

79. *Lig.* F. amongst tall grasses. Prostrate. Fls. purple. Inflated blts. fl.

80. *Rub.* C. locally on pebbly lateritic soil. 30-50 cm. Tough. foliage blue a. 12-15 cm. flowers pink.

81. *Lig. (lateritic?)* S. red lateritic soil. 25-45 cm. Follow patch hidden in large leafy.

82. *Trichilia* C. " " of ridge. 30-40 cm. Fls. yellow. small

18204. *Thob.* C. locally on sandy creek bottom. Ascending 60-80 cm. Fls. reddish-purple.

07. *Turneraea?* C. a sandy creek flat. Woolly. 30-70 cm. Fls. yellow. Weak stems from hard woody stock.

17. *Touf.* Bank of a stream. Perennial herb 1-80 cm. Fls. yellow.

18. *Formel.* S. on sandy creek flats. Herb. 10-25 cm. Touf. yellow fls.

28. *Lilac.* S. " " ^{ca. 15 cm} ~~ca. 15 cm~~ fls. white.

24. *Biophytum* O. " " 3-15 cm. Fls. reddish

25. *Phyllanthus* S. " " 40-80 cm.

28. *Borap.* S. sandy soil. 15-20 cm. Fls. wh.

31. ~~Tricoryne~~ *Tricoryne* S. sandy creek flats. Fls. yellow.

32. *Touf.* F. " " 20-80 cm. Fls. yellow.

33. *Pimelia* S. " " Fls. wh.

34. *Lig.* O. on lateritic ridge. Trailing branches ca. 1 m. Fls. wh.

35. *Touf.* C. grassy edges of R.F. 60-80 cm. Fls. yellow.

37. *Ligum.* S. on pebbly lateritic ridge. Perennial 40-50 cm. Fls. purple.

39. *Ligum.* S. lateritic ridge. Ascending. Fls. orange. (small plant).

41. S. amongst small annual grasses on hard pebbly ridge. 20-30 cm. Fls. yellow.

44. *Ligum.* S. damp sandy soil. 10-20 cm. Fls. yellow.

47. S. amongst small annual grasses on hard pebbly ridge. 25-70 cm. Fls. ^{yellow} fls.

48. *Ligum.* S. moist sandy soil. 8-20 cm. Fls. yellow.

49. *Sorgh.* C. locally on moist sandy soil. 10-20 cm. Fls. violet.

50. *Fooden.* 6-12 cm.

51. *Polygon.* moist sandy soil. 10 cm. Fls. blue.

52. *Brachness* S. with small annual grasses on hard pebbly ridge. Fls. wh.

53. *Trichilia* S. " " " " 60 to 70 cm. Fls. green

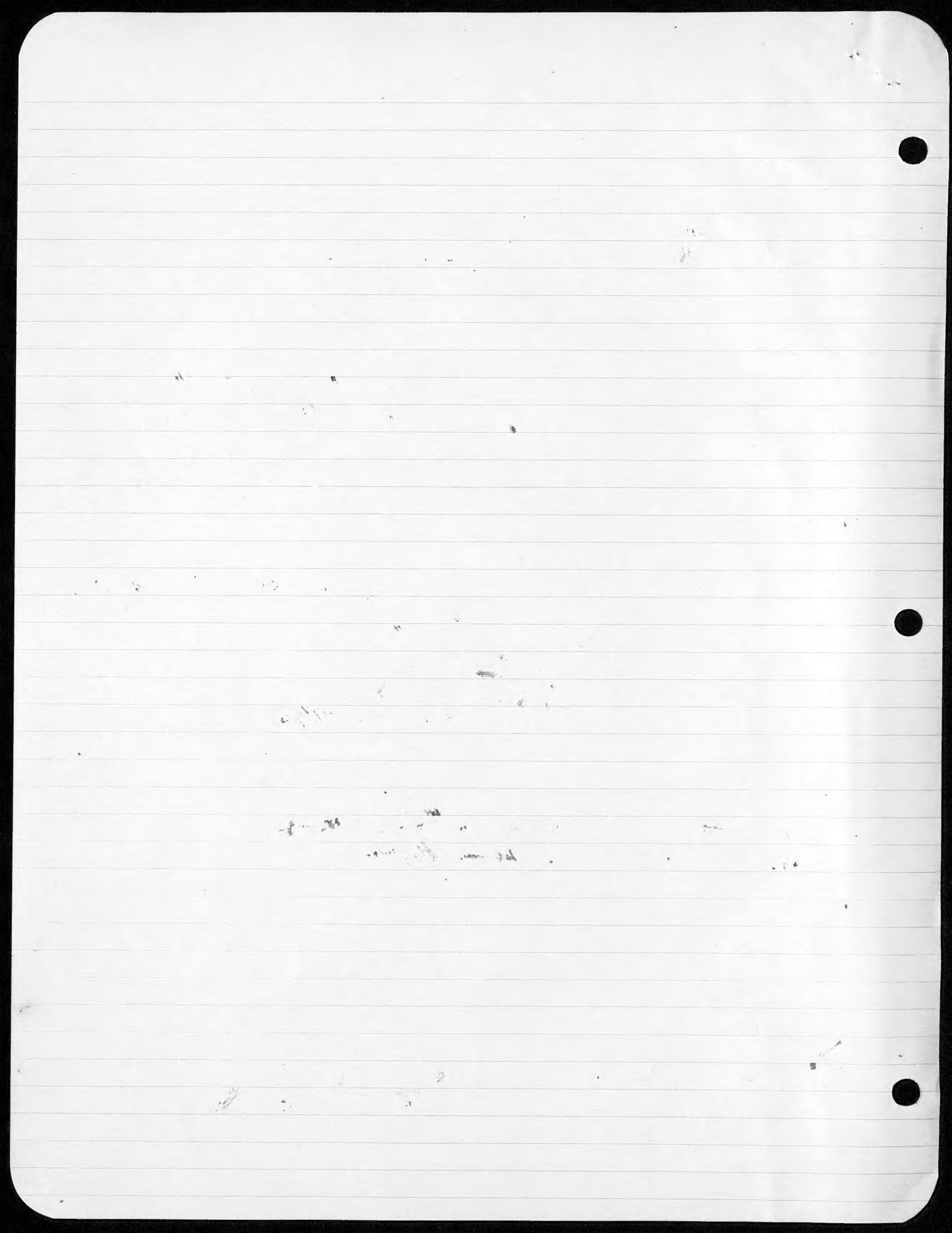
56. *Sylicium?* Local on moist sandy soil. ca. 10 cm. Fls. wh. & purple.

57. *Ligum.* S. " " " " Ascending. Fls. blue.

63. *Ligum.* 1 plant on hard lateritic soil. Fls. orange-yellow.

64. *Ligum.* C. locally throughout, on wet soil as well as dry. 10-60 cm. Wh. fls. May branches rebracted from woody stock.

68. *Ligum.* Amongst small annual grasses on hard lateritic ridge. 20-30 cm. ^{yellow} fls.



Savanna forest

Herbs. cont.

18469. *Xerolotis* Many edges of P.F. Fls. wh.

70. *Lil.* F. ... - - - ca. 15 cm. Fls. wh.

71. *Dianella*. F. ... - - - fls. blue.

86. *Utricularia* Local. wet grassy bank of a stream. 20-25 cm. Fls. purple.

87. *Luzum.* S. Fls. yellow

88. *Bromus* Found plant on wet grassy bank of a stream. Fls. pink

89. *Polygon.* " " " 10-15 cm. Fls. purple

93. *Bolotaria* S. banks of a stream. 20-30 cm. Fls. yellow.

18550. *Tab.* S. 15-60 cm. Fls. wh. Aromatic.

53. *Ipomoea*. Twining on grass. Fls. wh.

68. S. on sandy ground sandy patches. 15 cm. Fls. wh.

69. S. ... - - - 6-15 cm. Fls. purple-white.

65. S. ... - - - 10-25 cm. Fls. cream with, br. without.

74. *Luzum.* C. " " " Fls. purple.

91. *Turcuma* A. in long grass near P.F. 50-80 cm. Basiflorous. Bracts pink.

18600. *Termitomyces* S. on well drained soils. Up to 80 cm. Fls. yellow

81. *Vigna* S. in long grass. Under 1 m. (vine). Showy purple fls.

82. *Luzum.* P. but generally strub. ± 80 cm. Fls. purple-black - red.

83. *Buchnera* Assoc. with annual grasses on rocky ridge. 15-35 cm. Fls. wh.

84. *Thysanotus* S. on rocky ridge. Fls. purple.

89. *Buchnera* S. on open sandy creek (shrub). 50-70 cm. fls. wh.

20. *Breweria*. Found locally in Woodwood S.F. on a hard laterite ridge. Fls. blue.

21. S. " " " 8-25 cm. Fls. pink

27. *Tacca* S. 2 line. 40-50 cm. Fls. only.

29. *Buchnera* S. 100 cm. Fls. wh.

38. *Buchnera* S. 2 local. Fls. wh.

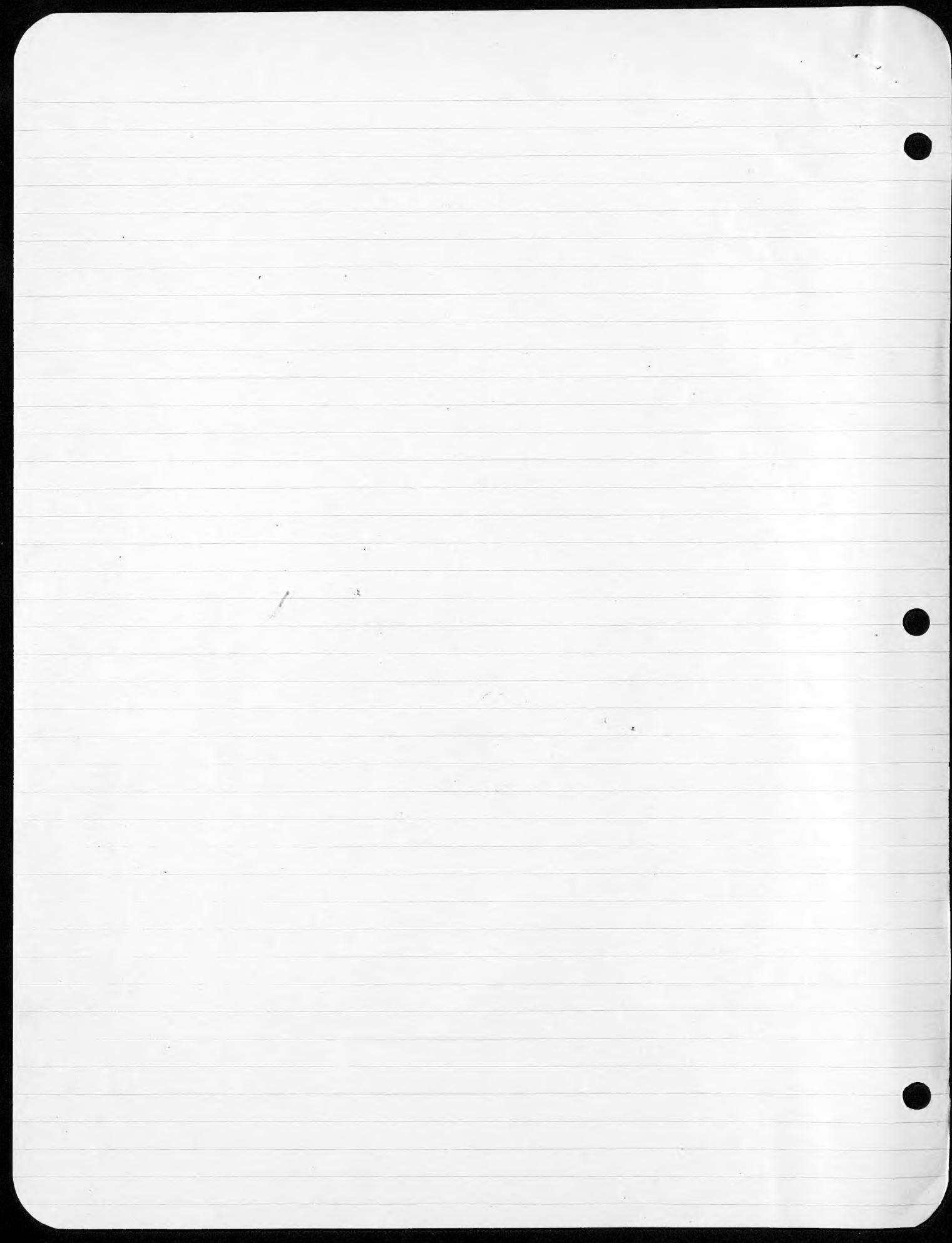
89. *Tomf.* F. 50-100 cm. Fls. purple.

Epiphytes & Parasites

18532. *Viscum* On Eucalyptus sp. Fl. greenish-wh. ± 10 mm. diam.

10. *Polyph.* F. on trees & rocks near P.F. 60-100 cm. (thicket ground).

18645. *Phan.* A. in green patches on trees near P.F.



Tawanna forest of wet leather flats

Trees:

18351. *Mel. symphyocarpa*. F. 6-10 m. x ap 15-25 cm. Yellow-orange; branches drooping.

66. *Banksia integrifolia*. F. up to 6 m. Very pale yellow fls.

18529. *M. leuc.* C. 7-10 m. Fls. gr.-wh. Bark of stem & main branches peeling, other bark smooth, brownish.

76. *M. leuc. var.* O. with other forms. 5-6 m. Fls. red, very strong. Few stiff crooked branches. Whitish peeling bark.

77. *Acacia*. O. with Melaleuca, on grey sandy flats. 10 m. Fls. yellow. Pd. ?
St. hollow & granular. Petioles downy.

18818. *Emilia chrysanthemum*. C. on moist sandy flats, etc. Plant tree to 8 m. Fls. golden yellow. Just beginning to flower in mid-May.

Other plants:

18849. *Funaria hygrometrica*. C. 40-50 cm.

352. *Pestia*. A. up to 80 cm. Drooping habit.

354. *Xerolys*. 30-40 cm.

55. *Xyris* Sc. 70-90 cm. Yellow, compact fls.

57. *Scheeria* Lvs. 35 cm. Fls. Nut-like.

58. *Scheeria* A. 40 cm. Drooping habit. Nut-like.

59. *Gyp.* C. 50 cm. Plant fls. gr., weak & drooping

60. *Gyp.* A. 3 m. 20-25 cm.

61. *Tommasi*. C. 20-30 cm. Pale purple fls.

62. *Gyp.* O. Weak, sprawling.

63. *Gyp.* A. 3-4 m. Weak, sprawling

64. *Gram.* A. upright small clumps to 1 m.

Leaves used for basket:

18517. *Utricularia*

19. *Utricularia* Sc. in thin ground cover of grass & sedges. 3-3.5 m. Fls. red, minute.

20. *Utricularia* ~~Sc.~~ Sc. 3-6 cm. Fls. wh.

21. *Utricularia* Sc. or grouped 12-20 cm. Fls. wh.

22. *Utricularia* C. 4-7 cm. herb. Fls. salmon pink without, ~~pink~~ ^{wh.} within.

23. *Utricularia* Rose. 10-18 cm. Fls. yellow within, red without.

24. *Utricularia* 5 cm. Fls. yellow

25. *Tommasi*. C. 6-20 cm. Fls. pink. Leaves fleshy.

26. *Brossea*. C. up to 25 cm. Fls. wh.

28. *Tessellaria*. Sc. 5-15 cm. Fls. wh.

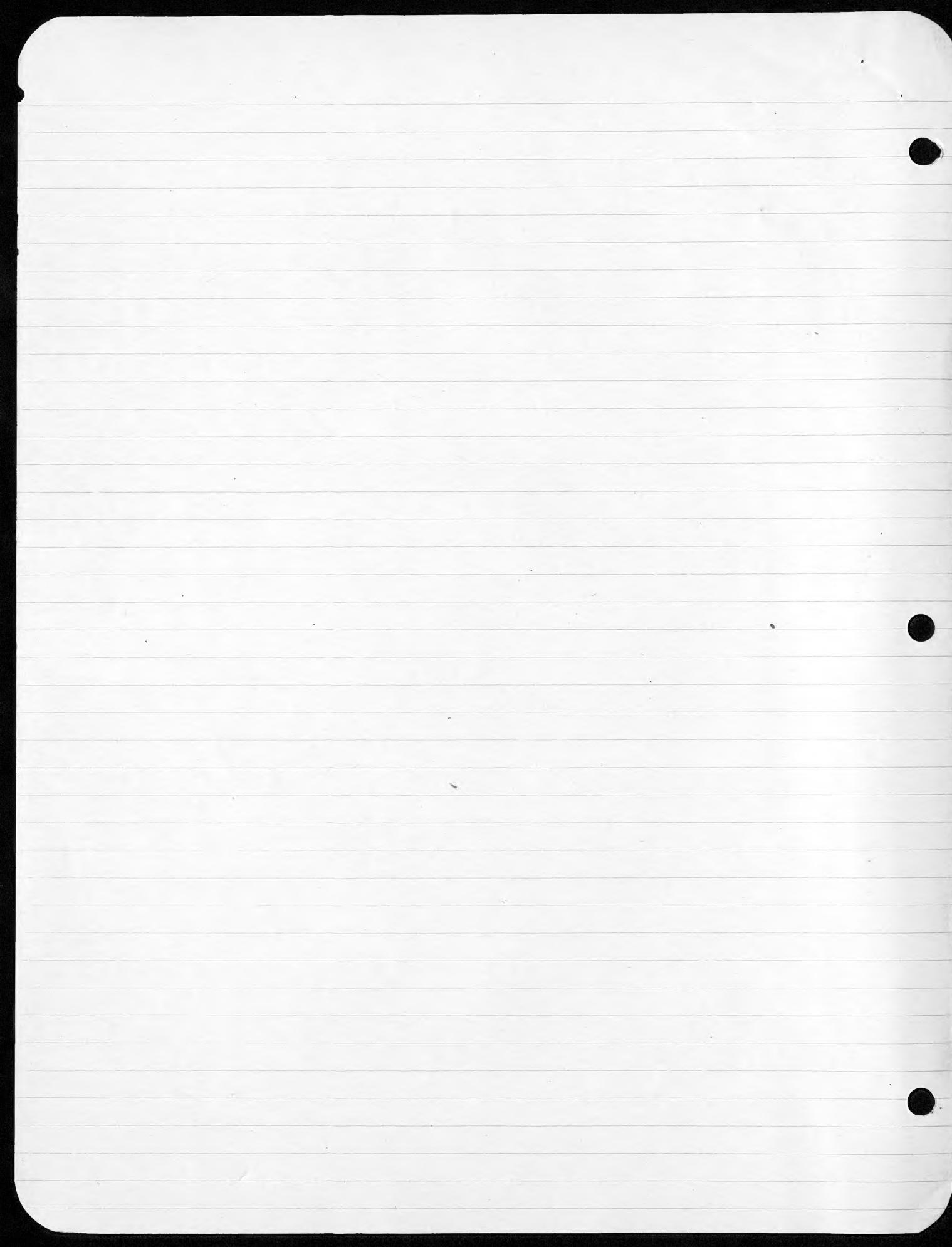
28. *Tessellaria*. 6-15 cm. Fls. dark purple. Fls. fleshy.

33. *Gyp.* C. 60-80 cm. Fls. unusually red. Sterile.

34. *Gyp.* P. 30-50 cm.

35. *Gyp.* P. 50-60 cm.

36. *Gram.* C. 80-100 cm.



Tawanna forest of wet water flatsOther plants, cont.18555. *Utricularia*.

Small plants on one flat: 3-4 cm. Fl. purple.

56. *Bromel.*

Sc. on one flat: 20-30 cm. Fls. pink.

57. *Syph.*

L. 15-30 cm. H. tube dark pink, lobes very pale pink.

58. *Eran.*

Sc. amongst sedges. 80-100 cm. Stems stiff, not usually 1.

59. *Xyris*.

L. 60-80 cm. Fls. yellow. Leaf bases red.

60. *Utricularia*.

Sc. 4-15 cm. Fl. violet.

61. *Syph.*

L. on moist flats. 10-30 cm. Fls. violet-blue.

62.

L. " " 30-35 cm. Fl. blue. fine.

72. *Utricularia*S. 3-5 ~~cm~~ Fl. yellow.73. *Utricularia*

S. 3-7 cm. Persistent purple-blue calyx. Fls. yellow.

75. *Xyris*

C. locally. 50-70 cm. Fls. yellow. Broad clumps of many times.

78. *Syph.*

Sc. Herb 10-30 cm. Fls. pink.

79. *Euphorb.*

C. locally. Persistent leaf 30-40 cm. Fls. green.

81. *Soridium*

C. locally. 40-50 cm. Fls. violet.

82. *Bph.*

C. locally. Annual. 15-20 cm.

83. *Bromel.*

C. 30-50 cm. Fls. yellow.

84. *Logium*.

C. locally. Herb 20-60 cm. Fls. yellow. Twining & ascending.

85. *Thysanotus*

C. locally. 30-40 cm. Fl. purple. Leaves lance.

86. *Utricularia*

A. " 10-25 cm. Fl. yellow with red without. Very strong th.

87. *Bentropis*

Eng. locally. 5-12 cm. Filaments red. Stems viscid.

88. *Eriocaulon*

P. 8-10 cm.

89. "

C. herb 10-20 cm.

18624. *Goodia*.

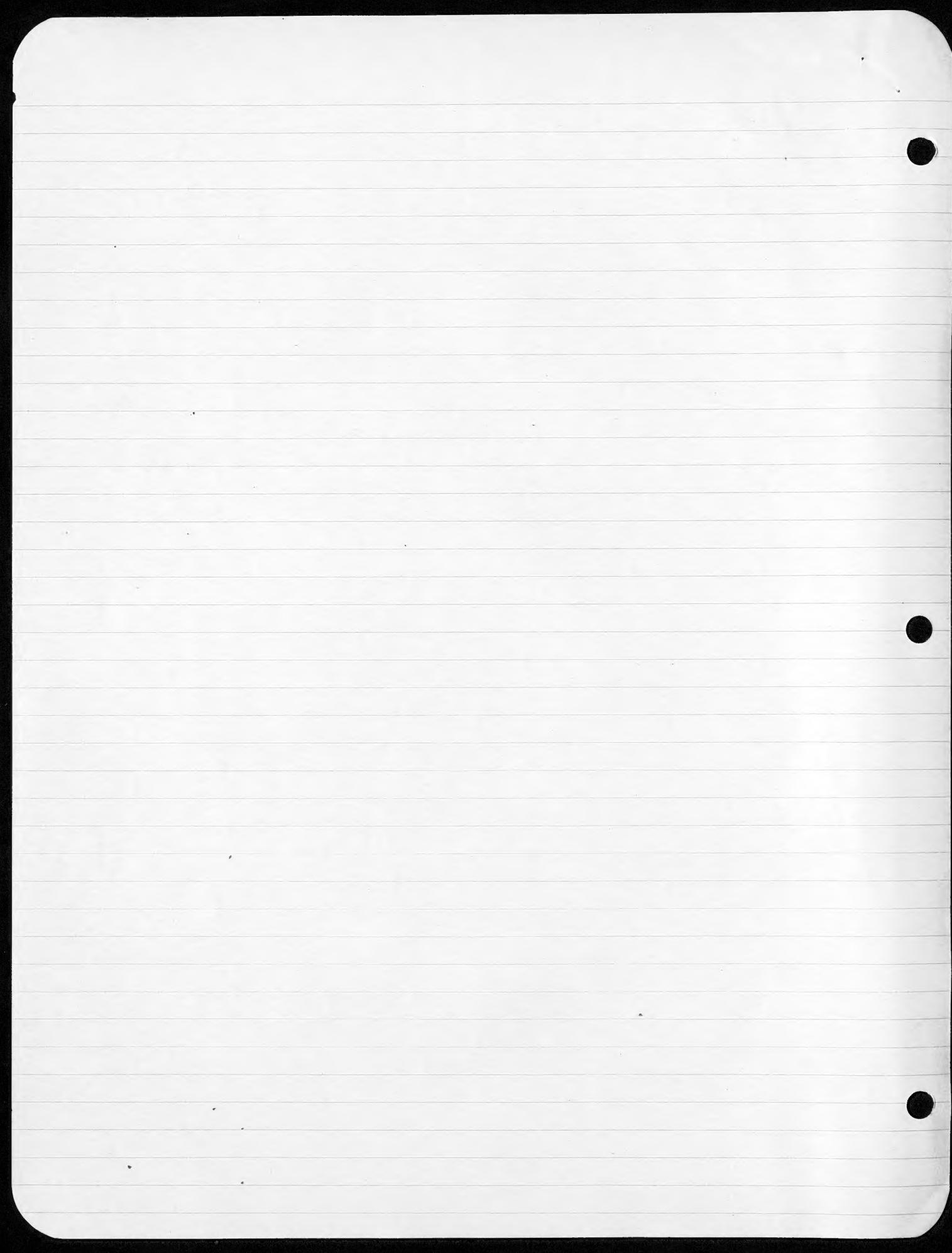
C. locally. Herb 30-40 cm. Fls. blue lavender.

20. *Utricularia*.

Fernal flats, grouped. ca. 30 cm. Fls. purple.

Nepenth.

Scattered.



Tree swamps. Seasonal.Trees

18350. Mel. leuc. vel. aff. 15-20 m. Paper bark; upright branches. White, honey-scented fl. $\times 25-35$ cm.

Other plants:

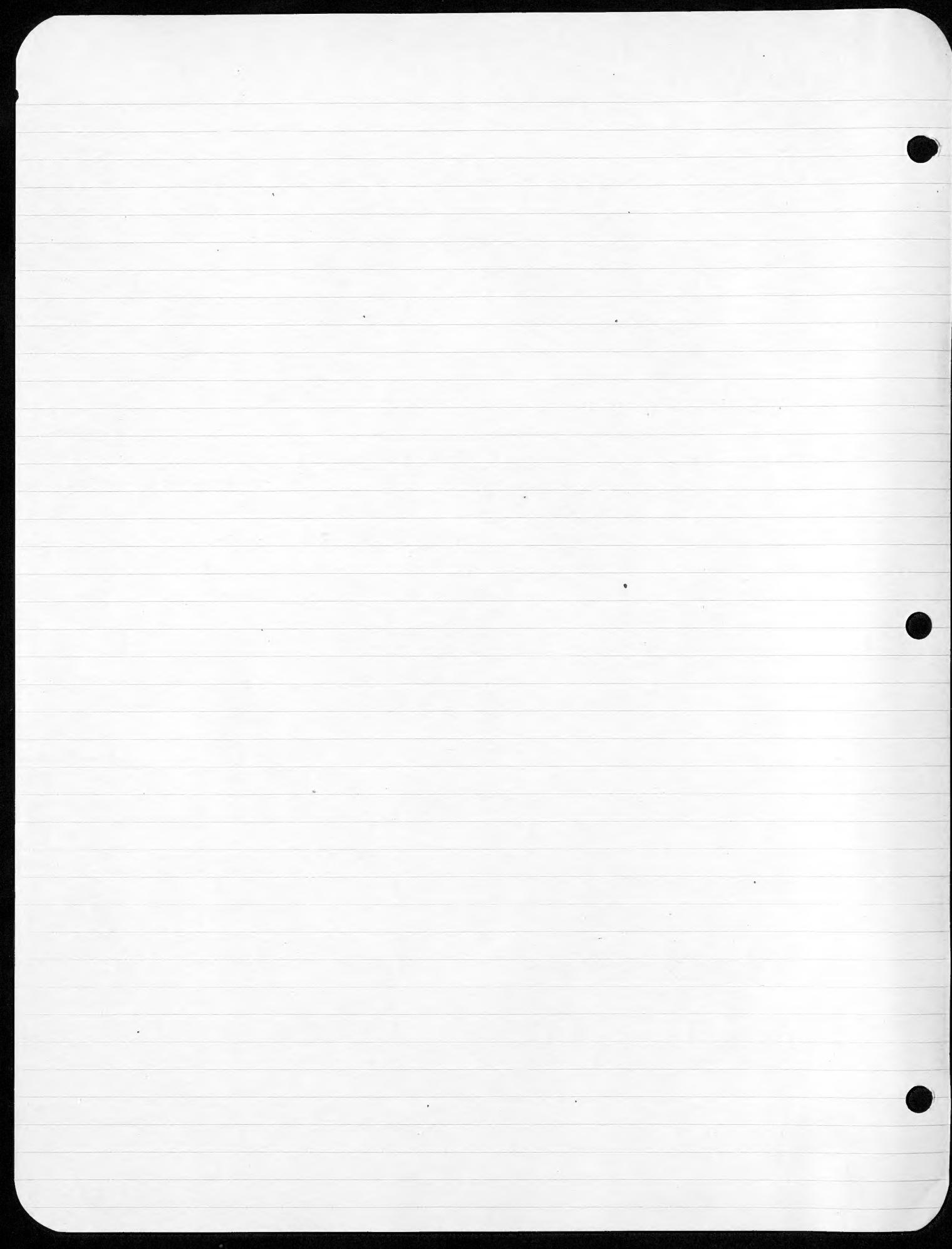
18346. *Benthamia* F. 8-30 cm. White spines.

347 " 15-20 cm. " " Less woody than 18346

348. " 10-20 cm. Yellow, tree leaves. Waterplant.

353 Ty. O. 80-120 cm. White hairs.

56 *Triocaulon*. P. shallow swamps. 8-10 cm. Gray-wh. heads



Water plants:

18348. ? 10-20 cm. Yellow. Also in bathe swamps.

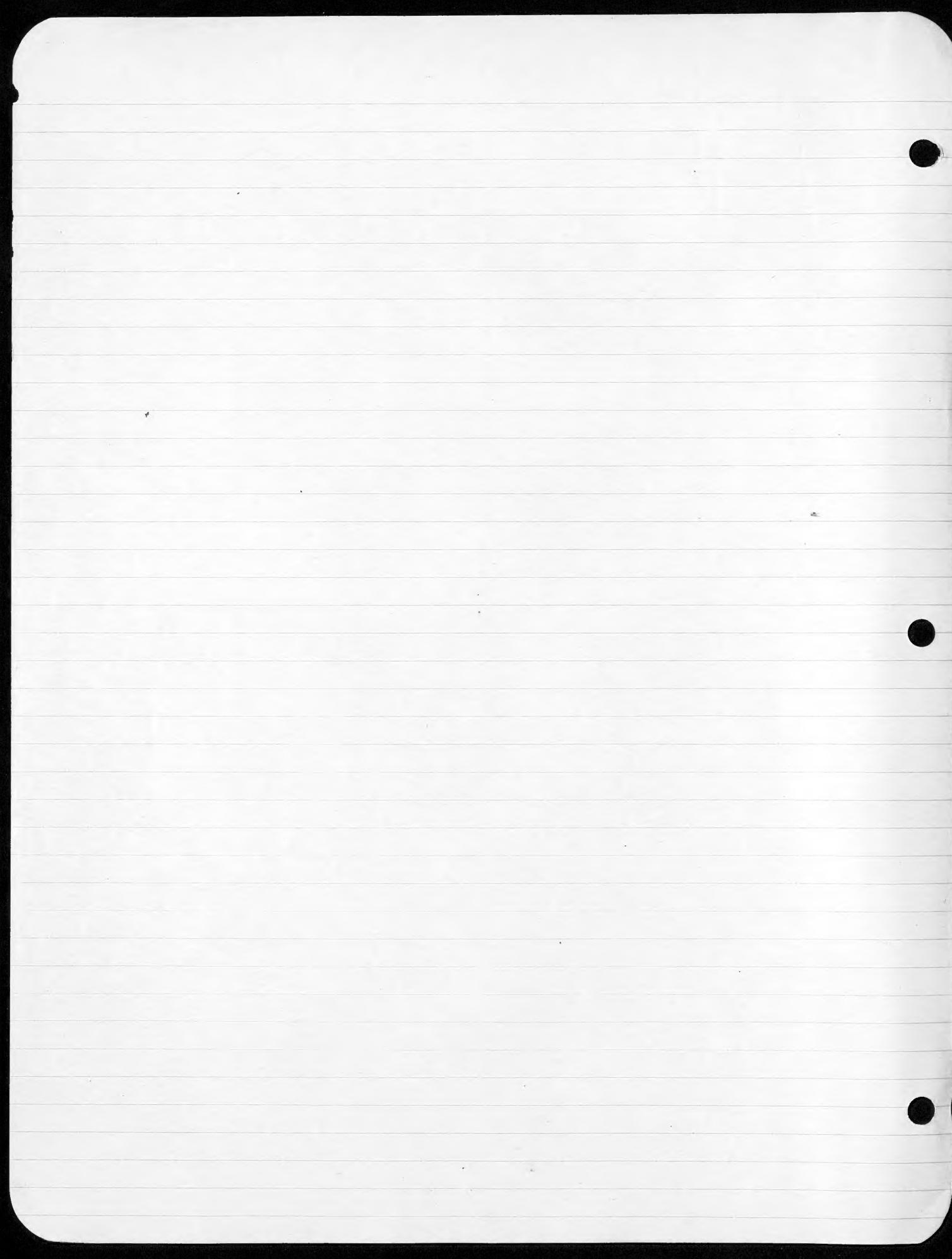
174. Triocaulon H. in shallow seasonal streams. Only the fl.-bulbs above water.

18610. Naias? Totally submerged in still water of a lagoon. ca. 50 cm.

15. Nymphaea F. in small waterholes. Fls. blue with purple tinge. Bayonet.

16. Panicum In a shallow waterhole with sandy bottom. Tufts reclining.
up to 1.5 m. long.

17. Leucosia. In a shallow waterhole with sandy bottom.



Newcastle Bay.

Tang of NARO Point, 22 miles S of Somerton.

Rain forest.

1. 20

Sand dune scrub of coast.

22

Littoral forest.

23

Black Gum scrub

24

Wakum scrub.

25

Savanna forest.

26

Open grassland of Naro Point

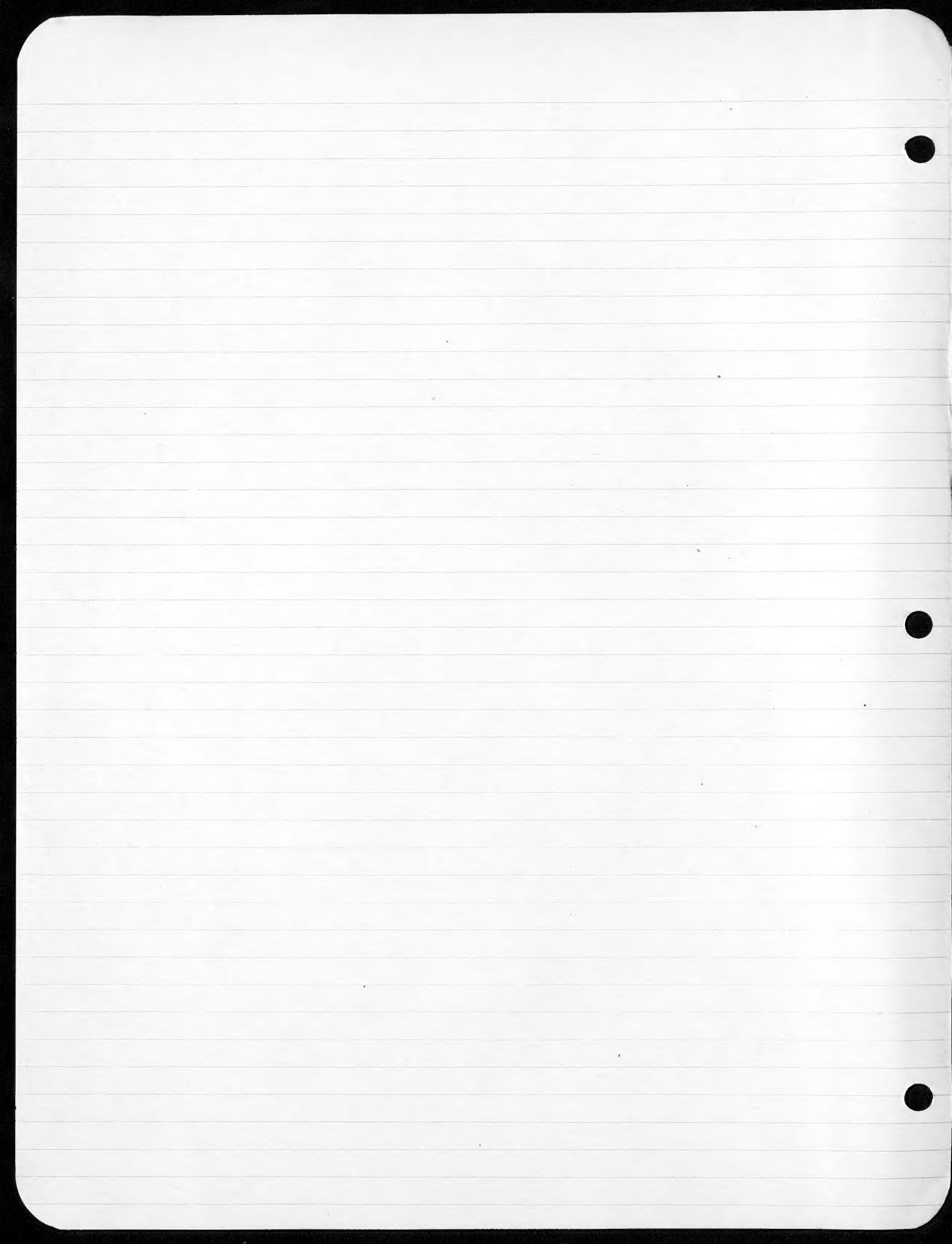
27

Mangroves

28

Freshwater aquatic

29.



Newcastle Bay

Rainforest: Developed on land which has not been invaded by dunes advancing from the seashore.

Canopy trees:

18778. *Acacia*.

C. along beach in thin coastal R.F. at. forment: up to 15 m.
fls. yellow (Hickory Nut)

Other trees:

18715. *Pandanus* ?
Pl. palm.

570. *Pithecellobium*

85. *Palm*.

98. *Psychotria*

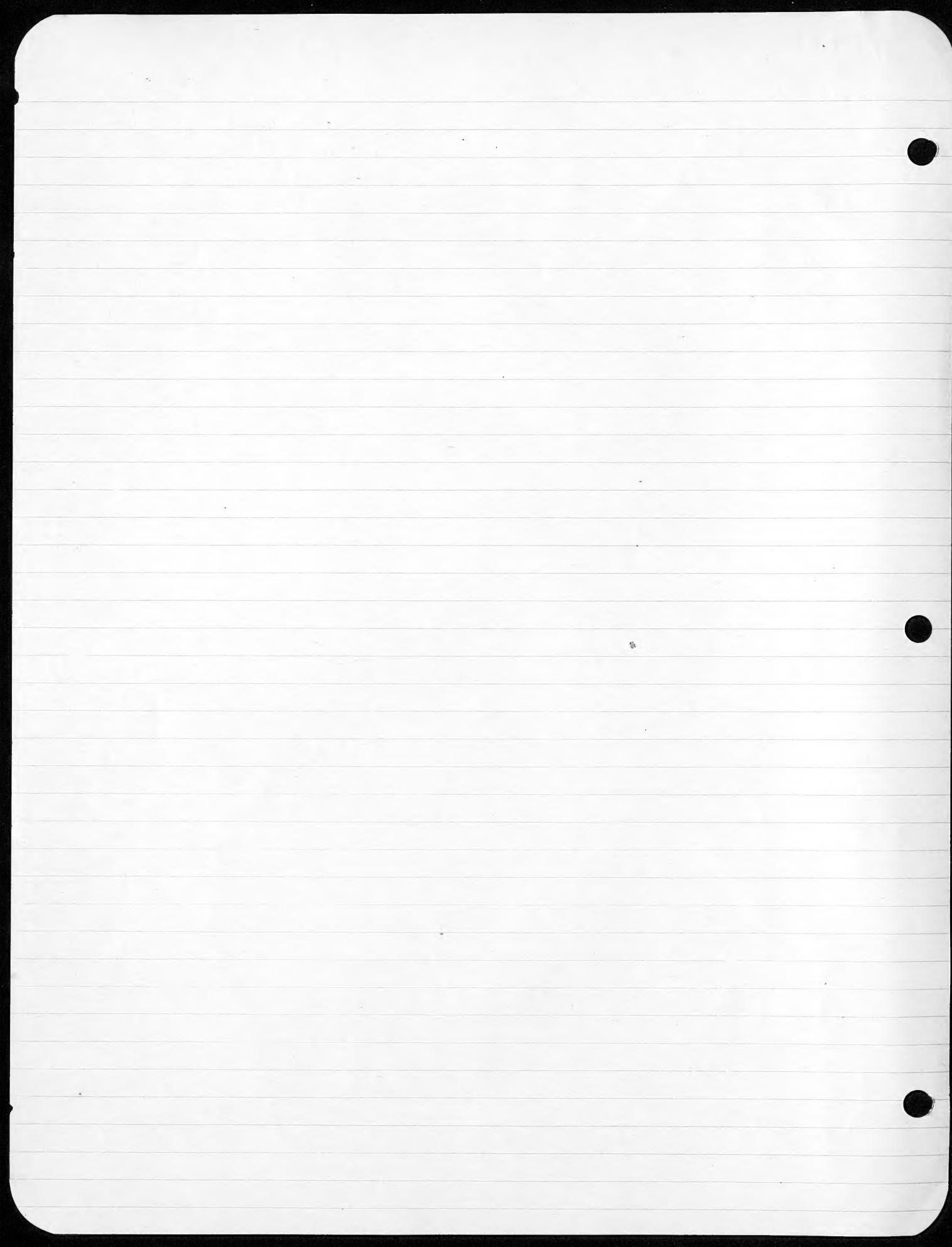
O-TURU

A. locally behind dunes. 6-7 m. Much-branched ^{see notes}
A. near a stream " " up to 15 cm. clumps, slender. R. in. Pl. only.
also C. Tockenbie

F. 15 m. x 10 m. Wood wh. fragrant; Pale yell. fragrant fls.

(C. on slopes of stream. 10-12 m. stem 1. Leaves ^{insinately} fleshy. Pl. only. OTAHIA
Tockenbie also)

F. in poor forest at forment: 6-8 m Pl. white. Pl. ?



Newcastle Bay

Rain-forest:

Woody undergrowth.

Herbaceous undergrowth:

1877b. 8m

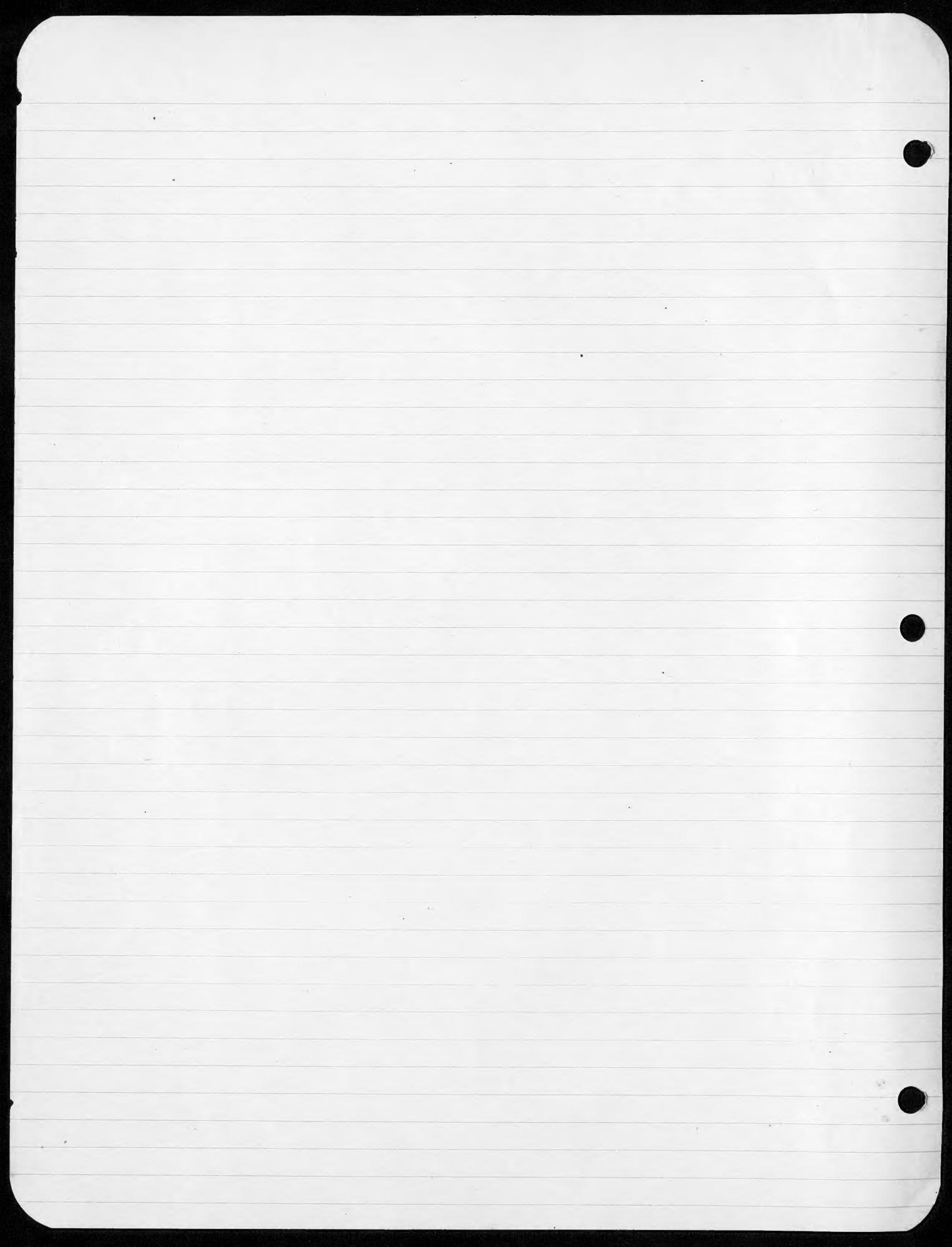
Grass. in outer edge. 30-50 cm.

Climbers

Epiphytes & parasites

18788. Fungus. On a rotten log.

18806. " Plotting wood on ground.



Newcastle Bay

Sand dune scrub of coast. A mixture of rainforest and "Black Banks" - *Acacia*?

Trees:

18654. *Terminalia* C. 5-6 m.; fl. cream; g. tan. purple-black fr. eaten by Blacks. INTIA

61. Rub. Tree of a foot. 8 m. fl. red, fleshy.

64. *Melaleuca* off. *symplocarpa*. A. sand stabilizing, fr.

65. ♀ Tree or shrub 2-4 m. flowers open lobes.

66 ♂ = 18663.

67. Rub. C. tree or shrub 4-5 m. fl. blunt, fleshy, petiolated. stabilizing shrub.

68. *Warionychia*? ⁱⁿ rain forest C. 6-8 m. fls. gr.; fl. upright. on young dunes.

73. *Melaleuca angustifolia* off. *symplocarpa*. A. 6-8 m; brown fl. spreading; pale br. thin flaky bark. ALUTHA. = 18664. fls. cream.

79. *Eucalyptus gunnii*. A. tree or shrub. 2-5 m. leaves grey-gr. fl. cream. WA-LA

80. *Peltostigma* P. "but" really a shrub.

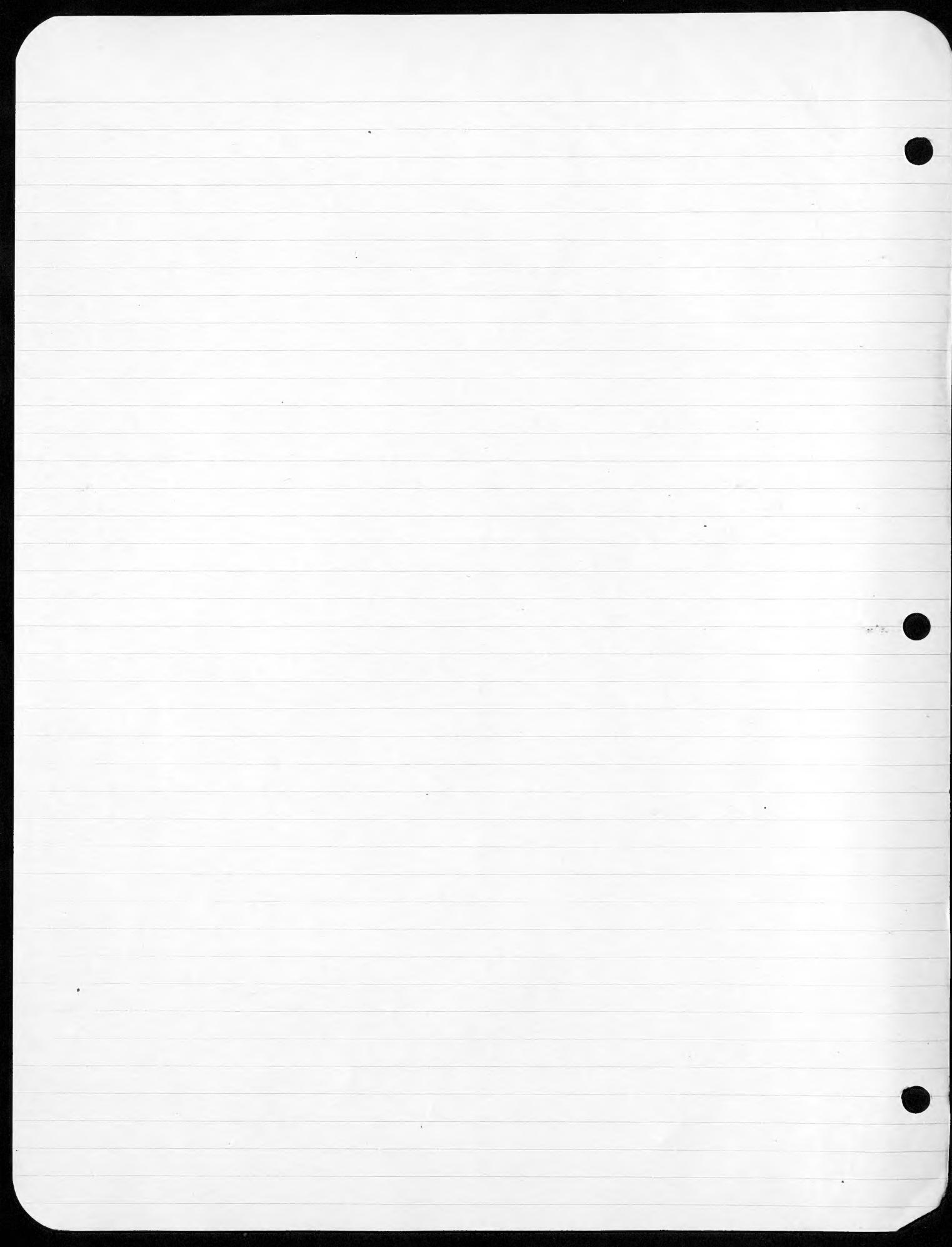
93. *Acacia* VA on Nann Pt. 2-5 m. fls. yell. fls.; bark rough br.

~~18715. *Acacia*~~

18718. *Acacia*. P. esp. on edges: up to 6 m. bark rough bark. fl. yell. LUPVARRA

79. *Parinari nonda*. A. shrub or tree 2-6 m. fls. ? fl. upright. O-LARI

80. *Phallus* F. 4-6 m. fls. wh. fl. orange. leaves convex, greyish below.



Newcastle Bay

Sand dune scrub of coast

Thurbs:

18662. *Metaleuca* ^{angustifolia} off. *synphylla*. P. sand-stabilizing fl. 1-2 m. Fls. cream. ALUTHA

74. *Rub. Eriostema* Gmelin 2-5 (sometimes sub-annual); aromatic. Fls. wh.; fls. 5 angled, oblique.

77. *Mel. Gmelin* ^{gracilissimum} P. sand-stabilizing fl. 50-150 cm. Fls. gr. - wh.

80. *Peltostigma* P. 1-3 m. fls. only.

81. *Rob. (Morinda reticulata)*. O. in shrubberies. ± 50 cm. Bush. wh. bracts; fls. cream. Fls. young.

82. *Rob.* C. in low scrub. ± 1 m. Black fleshy fls. = 18667. LUNISAR

18720. *Solanum* P.P. 1.5 m. Fls. lavender. H. red, ca. 15 mm. dia.

23. *Phodomyces macrocarpa* O. in low scrub. ± 1.5 m. Fls. wh. Tuberous also.

24. *Nikstroemia* F. tree or shrub 2-3 m. Fls. orange.

83. *Paranea* O. 2-3 m. Fls. wh. Fls. purple-blacks.

Herbs:

18680. *Gyl.* Tufted in scrub. ca. 80 cm.

62. *Schizaea* O. in scrub (C. on savannas).

69. *Gyl.* S. in shade; spikelets whitish

71. *Macrorh.* C. in shade & forming thin ground cover locally. Fls. purple.

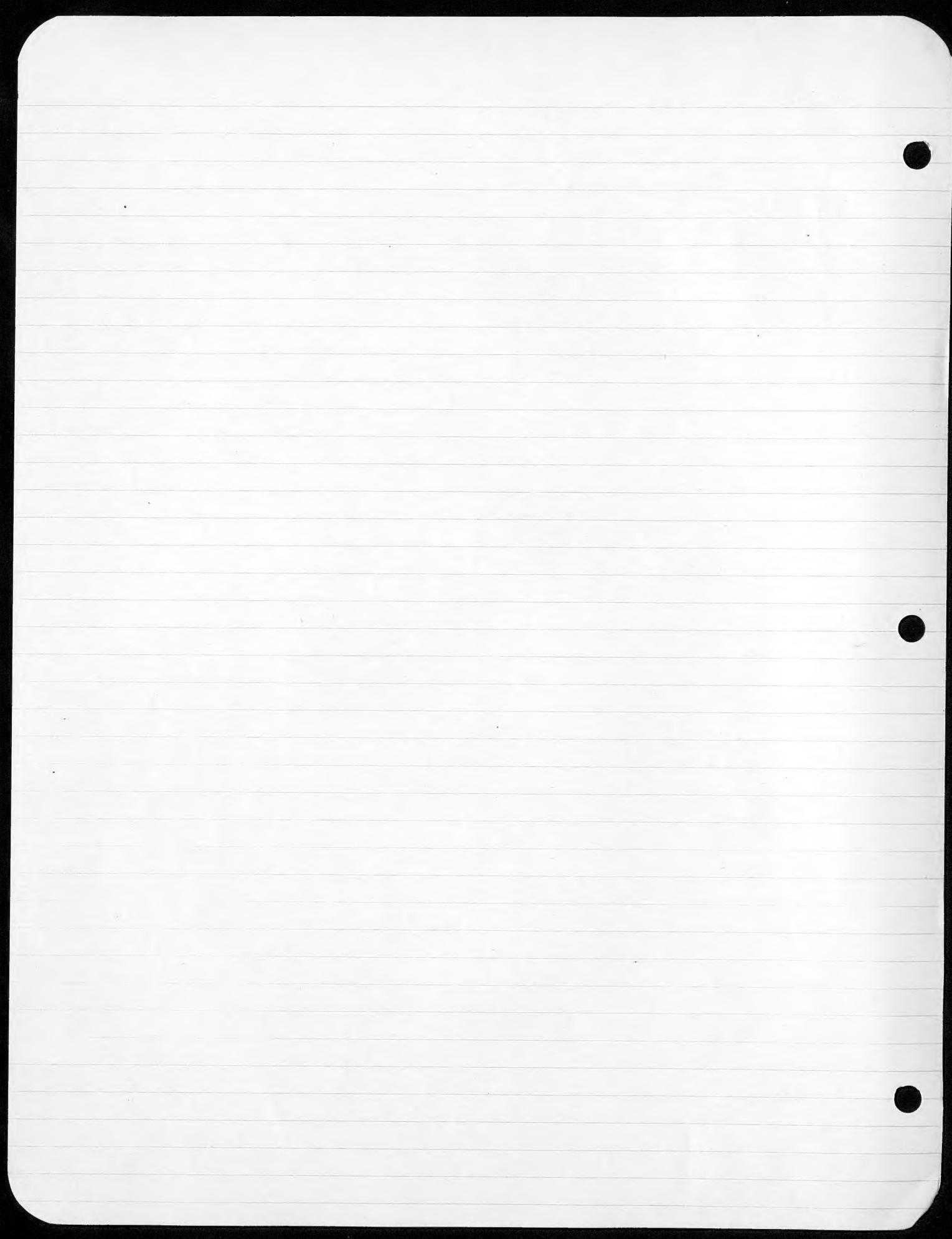
76. *Taxo. L.* In shrubberies; ascending, ^{10 cm.} forming small mats. Fls. cream.

88. *Typhus* C. locally in shade. 50-60 cm. stems usually 2 fl. 60 cm.

18712. *Gram.* C. locally in low scrub. 15-20 cm.

13. *Panicum* Eng. in small colonies in shade. ± 50 cm.

19. *Gram.*



Newcastle Bay

Sand dune scrub of coast

Glum. &c.

18687. *Phrag.*

C. subcrenatum shrub 2-4 m. Fls. yellow; fls. white.

18717. *Phragm.*

Low scrub, 1 m. Fls. fls. orange.

Epiphytes & Parasites

18657. *Moss.* Tissue trunks of trees (also rolling bark). Like grey gr. on Florida cabbage palms.

59. *Gymnophorus.* *C.* in scrub. Shorty creeping: leaves thick, fls. y.

72. *Boronia* Small sp. ± 40 cm. Fls. red & yellow.

88. " On low trees; 30 cm. Branches sub-pendent; fls. blackish purple & green

18721. *Dendrob.* of *Giggleton* line. Very close to ground; 30-60 cm. Fls. purple, odorless

25. *Myrmecodia.* Fls. purplish - wh. *C.* in Loxtonia sav-forest.

Ponds & streams

WORREGA

18648. *Schnia.* " sog. wet sandy edges; up to 3 m. stems branched, ascending; mss.

18716. *Planguis malayana.* & *Dendrob.* prairies 2-2.5 m. on open banks stream near beach.

Roots

18656.

Rolling bark.

57

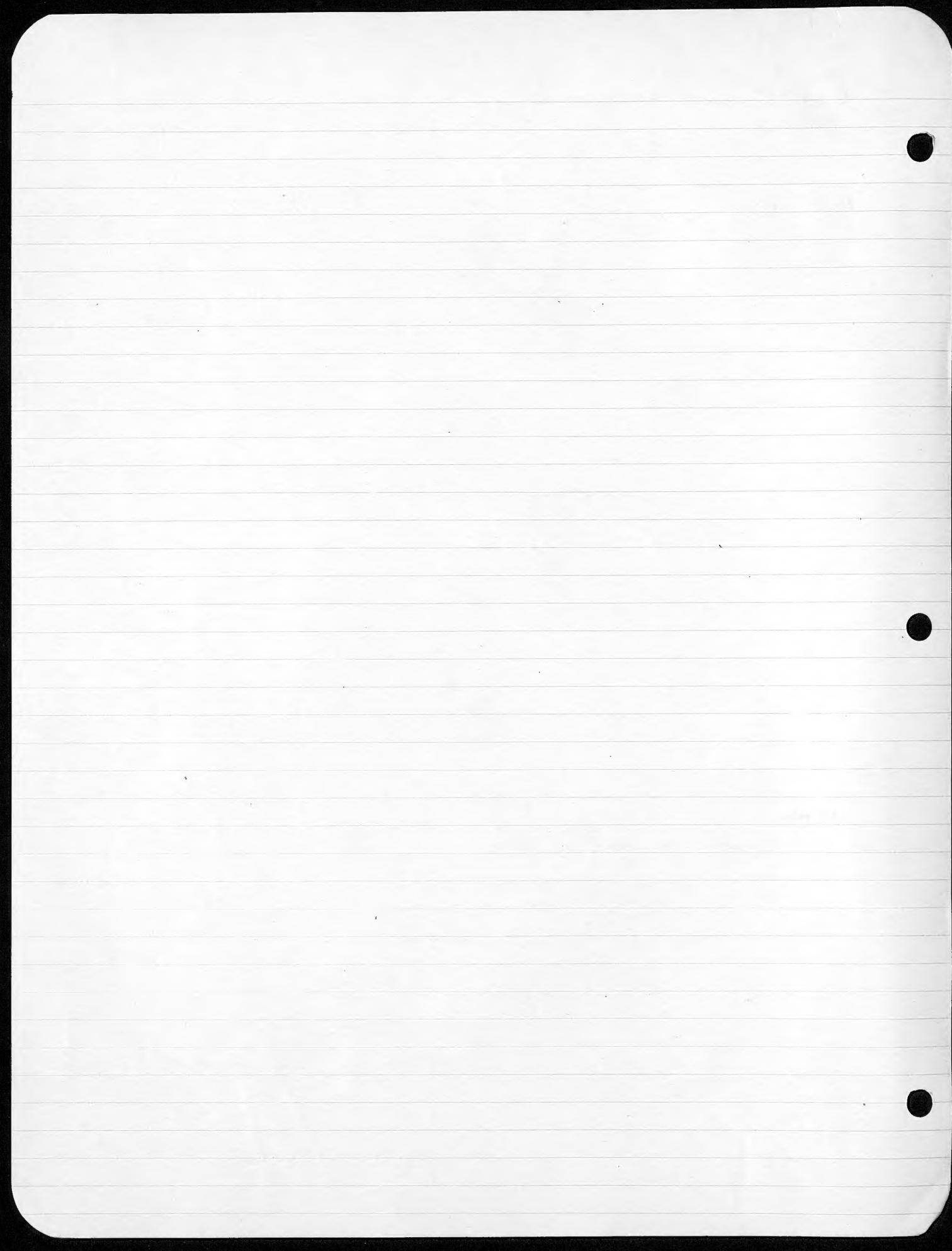
" - & lower tree trunks. Like grey gr. on Florida cabbage palms

58

Roller logo.

70.

Dead bark of trees



Newcastle Bay

~~Letter~~

18675. *Tiaea*.

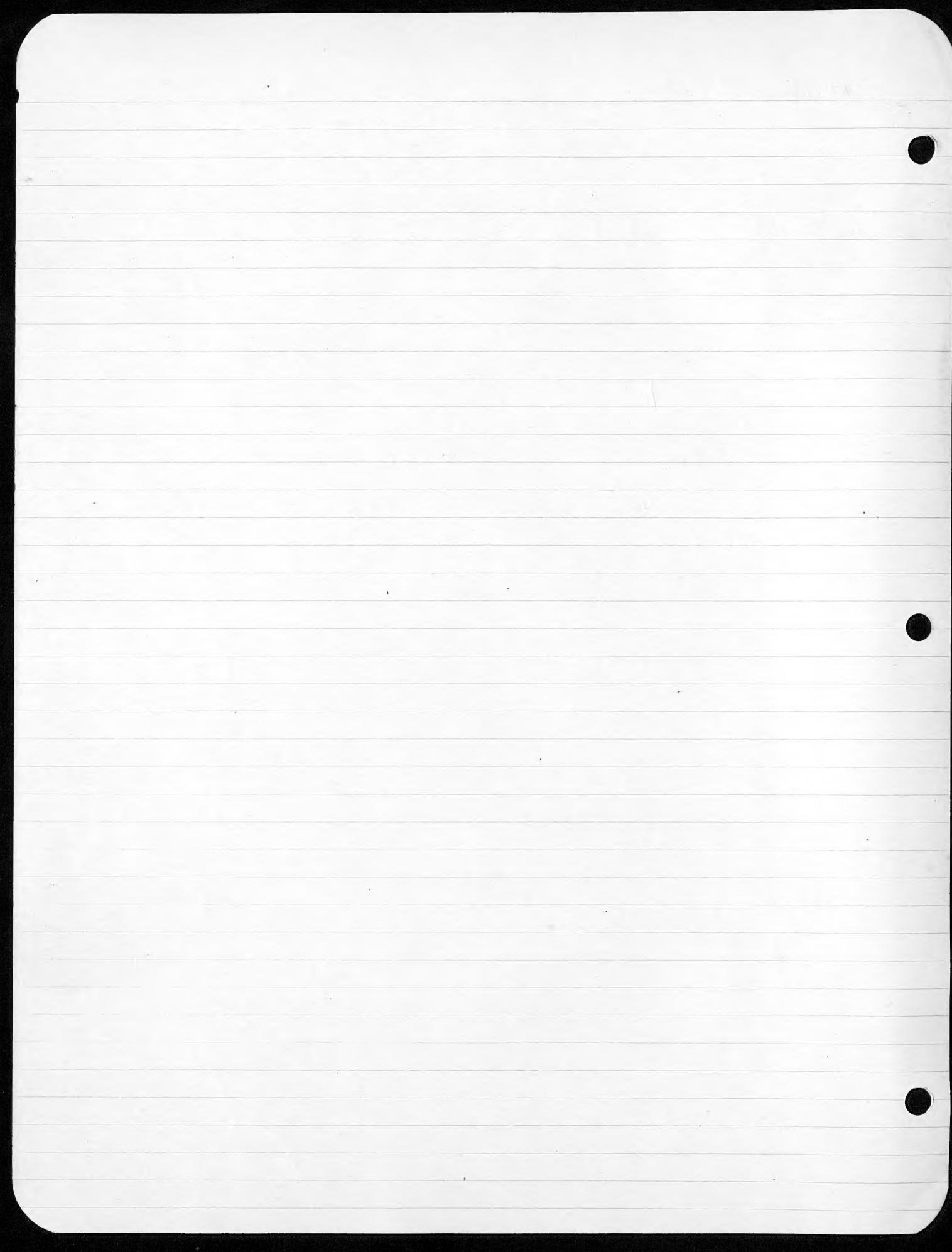
Littoral forest Wind-clipped low forest on seaward side of dunes.

Tree 8m. Scabrous leaves; fl. unripe, reddish.

Cast of by 1 km in offshore. Flowering trees at camp.

18787. *Pandanus*. ^{Mountainous} C. & comp. on coastal dunes. 5-8m. Tree & openly branched. Leaves glaucous. Fl. heads 15x12 mm, 8-angled. ANGANTUHKA

18782. *Pandanus* ^{spinae} C. on rocky coastline & beside small freshwater streams in coastal sand dune area. 5-8m. Stem branched, ramei on short tufts. Fl. head ca. 22x18 mm.



Newcastle Bay:

Black Latree scrub. Patches in savanna-forest back from ~~coast~~ coast.

Trees:

18754. *Ziptiermannia Fabricia*. Thig D. 3-10 m. Fl. not seen. Bark dark br., thick, hard, fibrous, deeply fissured. ANTARRA
 66. *Zuccarpus* F. 5-6 m. Fl. green. (Up to 10 x 25 cm; fl. green of 18756)
 87. *Santal*. Boughs of shrub. 3 m. Leaves glauc., fuzzy.

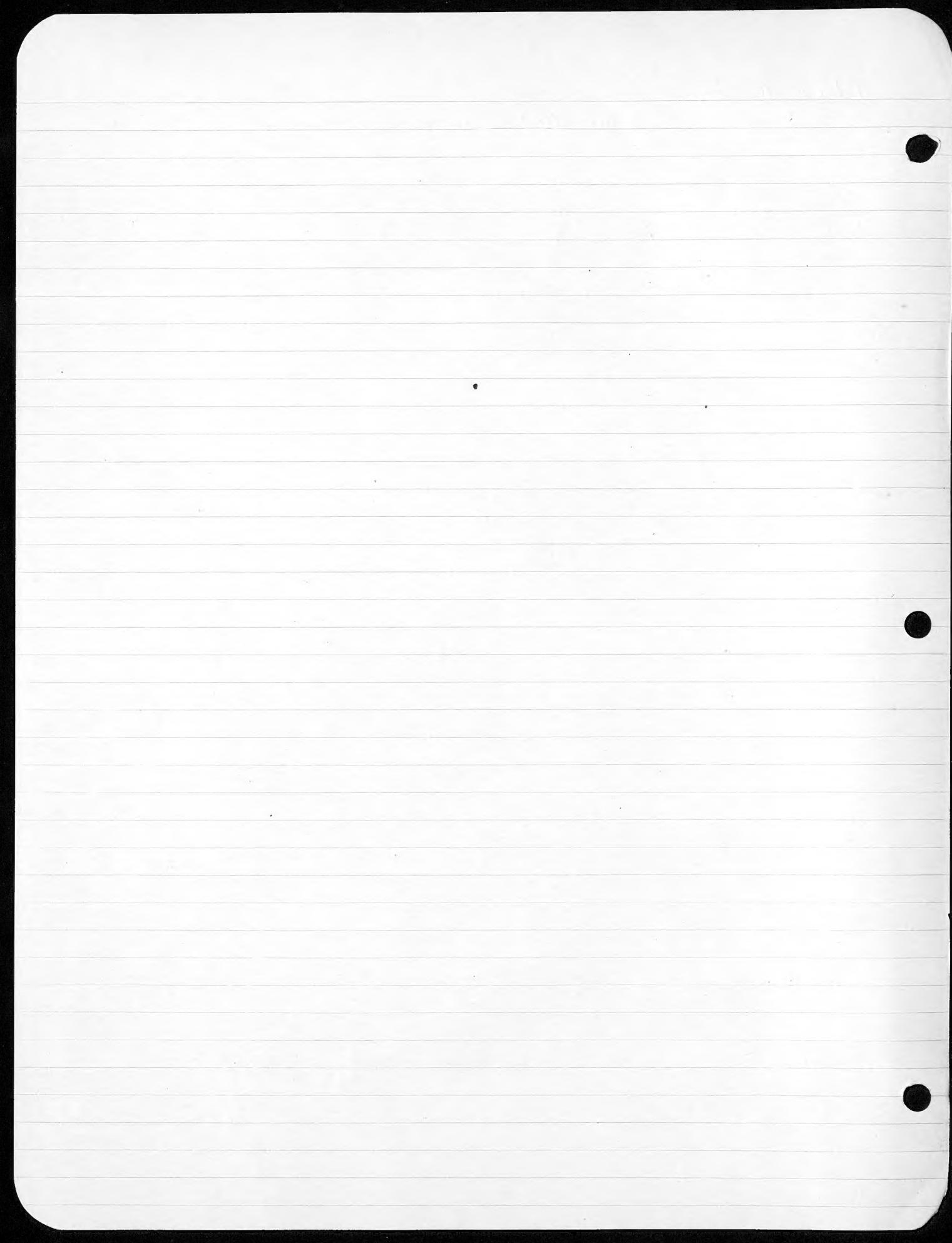
Shrubs:

18768. *Ribbertia* A. about 1-m. Leaves br.-glucose below. Fl. yellow
 69. *Mikroneuria* 17 " - 1-3 m. Fl. wh. Fl.?
 70. *Thamn.* A in stages. Tree up to 6 m. Fl. wh. (small leaves 1/2).
 72. *Godonaea* C. " - 1.5-2 m. Fl. orange. Fl. gray very young.

Herbs:

Timbers:

18771. *Alloa*. C. 2-3 m. Fragrant wh. fl. leaves stiff, grayish below



Newcastle Bay

Wetland scrub On dry to half-marsby dry sandy soil in a depression behind the beach.
("heathy hollow").

Plants

18649. *Agave* spicatae
A. up to 1m; low bushy habit; cream fls. in globular heads.

30. *Fragaria*.
A. under 1m.; fls. pink w/ deep rose.

31. *Melaleuca*
WINTER. A. (moist ground). 1m. Fl. only; leaves crenate-serrate; compact, bushy.

32. *Euphorbia*
Pee, m. or more. Wh. fls., upright; (= larger branch of of July fls.). Close scrub also.

33. *Gompholobium*
P. 80-80 cm.; much branched, bushy; fls. yellow.

35. *Desmodium*?
P. ± 1m. Fls. green.

18727. *Myrsinaceae* minabilis C. to 1m. on marshy ground. See notes. ~~XX~~ ONTARIO.

39. *Malope*.
Scrambling on boggy ground among shrubs; ca. 1m.

Herbs:

18708. *Xyris*
Stems 30-40 cm. Fls. yellow

9. *Toment.*
C. ascending up to 30cm. Fls. purple.

10. *Toment.*
C. branched a simple; grayish. Fls. yellow. 15-30 cm high

11.
C. subprostrate. Fls. wh.

28. *Dracunculus*
O. wet ground. 10-30 cm. Fls. pink.

30. *Toaderum*?
P. 15-20 cm. Fls. wh. Rockerbie also.

31. *Lit.*
P. 20-30 cm. Fls. wh., anthers dk. br.

32. *Xyris*
C. marshy ground. 30cm. Fls. yellow.

33. *Utricularia*
O. " " 10-20 cm. Fls. yell.

34. *Dracunculus*
C. " " 8-20 cm. Leaves red. Fls. wh.

35. *Sagittaria*
C. boggy ground; 20-30 cm, opp'd fls. Fls. white & pink.

36. *Utricularia*
C. " " 15-40 cm. Fls. purple:

37. "
Tall boggy stream. 10-12cm. Fls. greenish-wh.

40. *Ligustrum*.
C. on open ground. Prostrate. Fls. pink.

41. *Tpl.*
Tall. open boggy edges stream. ca. 50cm.

42. "
A. moist open hollow. 30-40 cm.

43. "
Tall. locally " " 20-30 cm.

44.
C. locally on moist sand. Much spreading; leaves succulent. Fls. pink

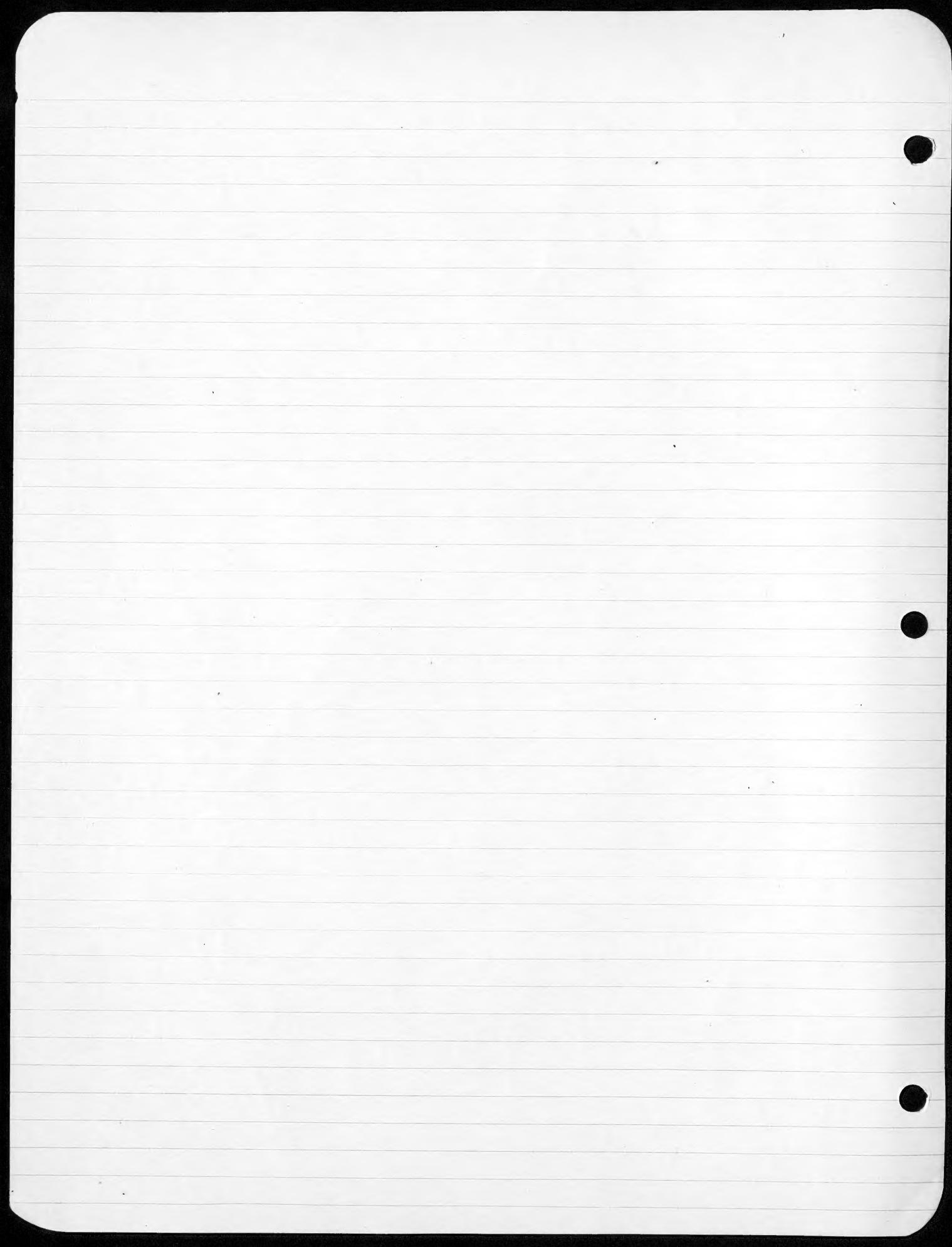
45. *Polygala*
P. wet open hollow. 10-20cm. Fls. pink. 18630 Rockerbie.

46. "
Local " " " Fls. blue, hidden under leaves.

47. *Tpl.*
C. wet sandy edges stream. ± 10 cm.

48. *Crustularia*
P. in open hollow. ± 30cm. Fls. yellow, petals blue.

49. *Typhaceae*
Local wet sandy banks of stream: 10-15 cm. Gray - pr.



Newcastle Bay

Tananna - forest. On sandy flats & low ridges behind the rainforest & dunes south of the coast.

Trees:

1875h. *Tantilia*

Grp. in small groups. 5-6m. Fl. cream. Bark rough bark. Leaves glauc. below. Day wood fragrant.

67. *Eucalyptus*

^{AU-ORR} Bloodwood. Up to 20m. Chif. D. Fl. cream. Bark of trunk & branches rough.

79. *Parinariac mandra*

C. (also as shrub or small tree in dense scrub). 0-4.7m.

95. *Mel. symphyocarpa*.

C. on sandy shore of L. Poronto. 4-6m. Trunk low tree; fl. very dark green. Fl. yellow & reddish-orange.

1880h. *Tapell.*

WA-LP. F. glaucous in sandy bloodwood forest. Dark barrel tree 15-18m. Bark rough, blackish. Young fl. cyp. Leaves eaten by cattle.

Shrubs:

1875i. *Zig.*

A. sandy ground. Many spreading branches. Fl. purple-pink 60-80cm.

55. *Hibiscus*.

O. " " 60-100cm. Fl. wh., throat dark red-purple.

65. *Bungia*

A. " " 1.5-2m. Fl. deep rose-pink. Fl. numerous

71. *Tantia*.

R. shrub or tree 4m. Fl. yellow.

73. *Euph.*

A. in SF adjacent to RP. A. pioneer in conversion of SF to RP.

C. callos. Tectoria. 2-3m. Fl. yellowish.

97. *Euph.*

A. pioneer in conversion SF to RP. 5-6m. Fl. yellow.

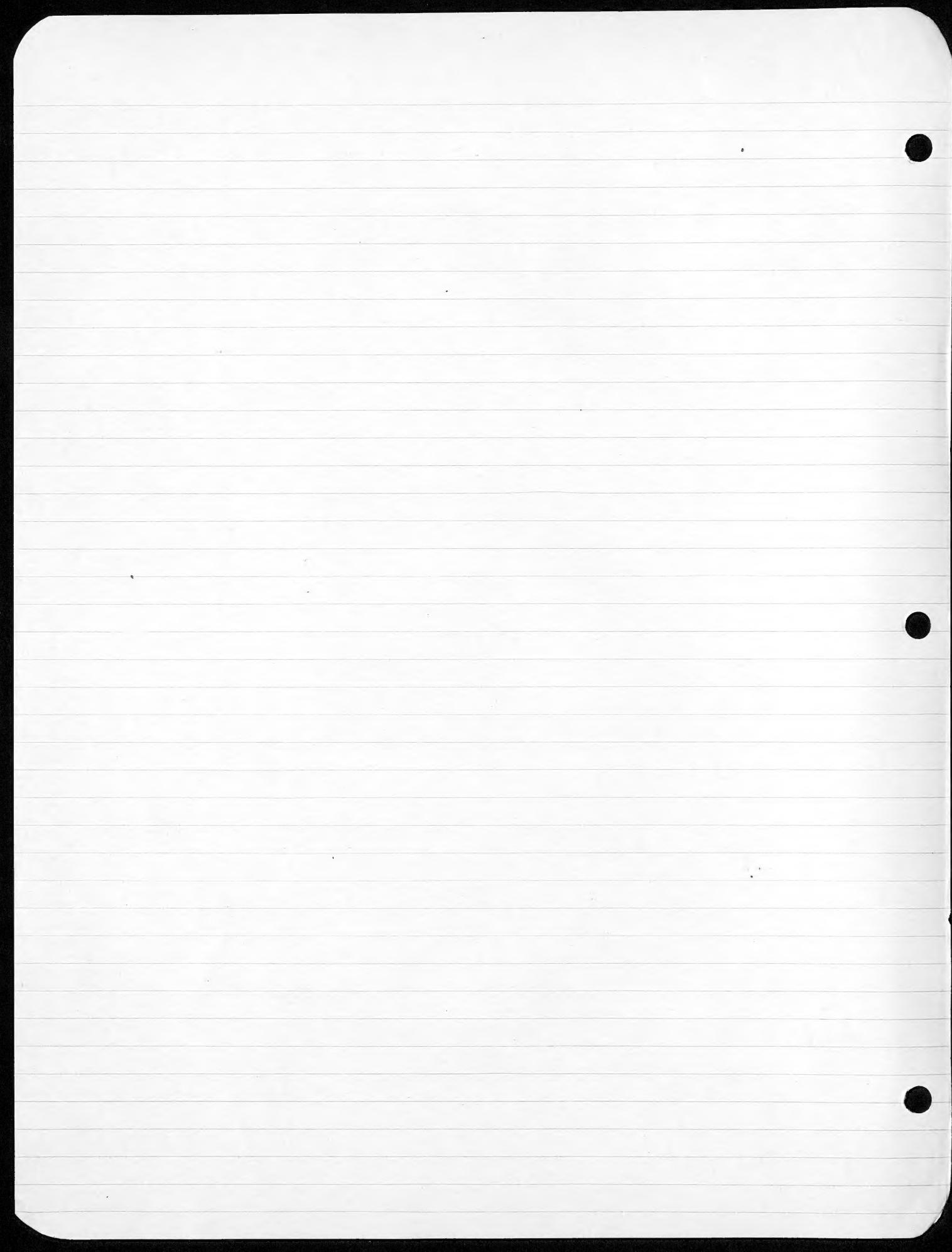
1880i. *Stochacton*

VIA in SF adjacent to RP. Tree or shrub 2-5m. Fl. yellow. (fl. gr.)

Grasses:

1880i. *Acacia*.

C. in typhaceus scrubberies on Fly Point. Plants 60-80cm. Fl. yellow. Numerous upright branches.



Newcastle BaySavanna-forestHerbs:

18662. Schizaea. C. locally on loose sandy soil. (O. in dense sand).
O. 40-50cm. Fls. wh.

53. Scanzia. O. on loose sandy soil. 25-40cm. Fls. whitish

18753. Tropaeolum. C. branches low spreading to 1m. long. Fls. deep rose purple.

56. Trag. C. (Woodward forest). 30-50cm. purplish, t. flesh. Fls. wh.

57. Phytonanthus. Gray. in small groups. to 80cm.

58. " Fls. cream.

59. " Fls. cream.

60. Lig. Trailing & twining in grass. Fls. yellow.

61. Phytonanthus. C. locally in Woodward forest. 20-30cm; leaves very glauc. below. Fls. wh.

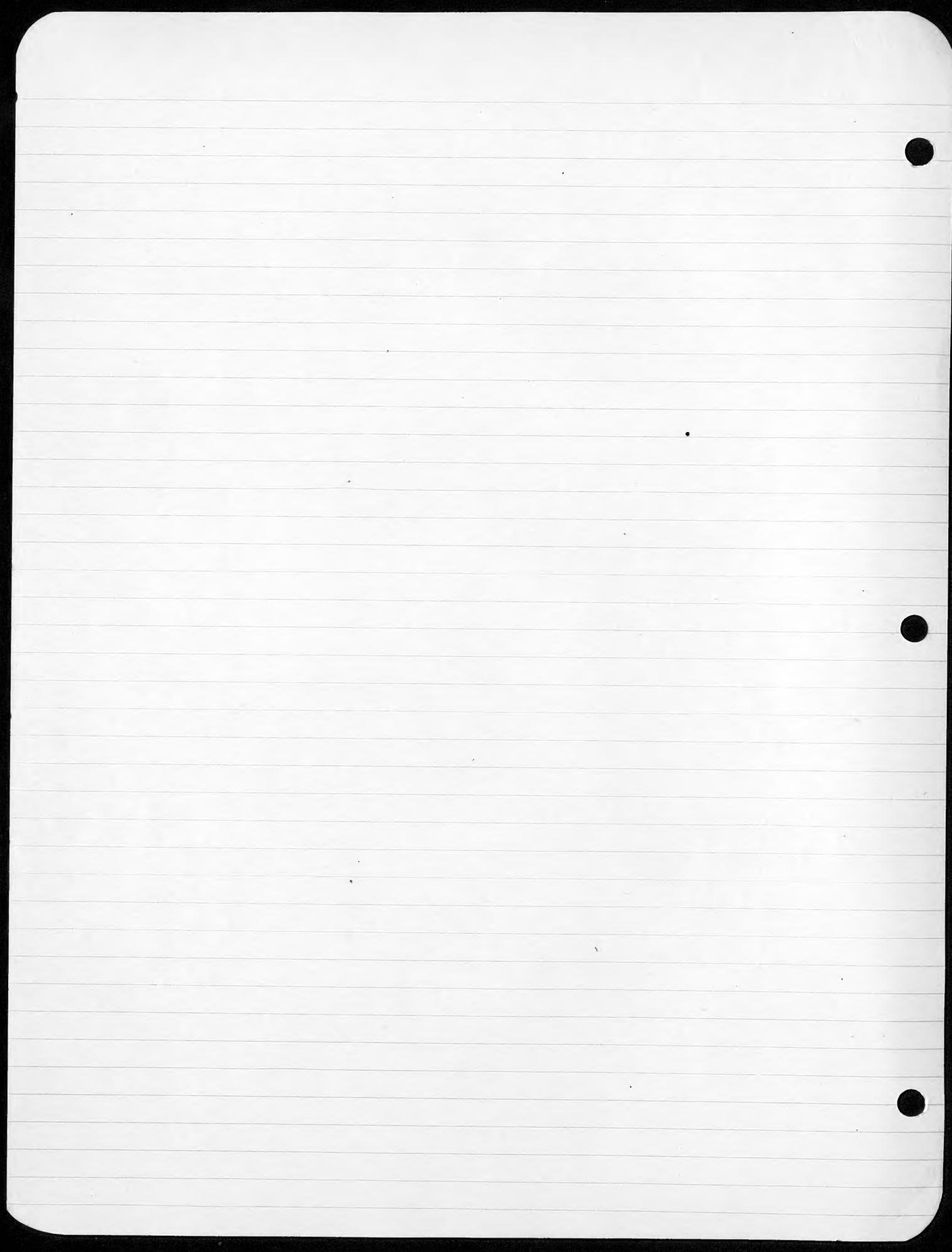
62. Starkbursia. C. " " 40-50cm. Fls. pale yellow.

63. Desmodium. Woody herb 80cm. Fls. dark pink.

24. Goodenia. moist sandy soil in between St. 5cm. Fls. yellow.

Epiphytes & Parasites

18720. Loranthus. on trees. 1m. Fls. red & yellow. Fl. black.



Newcastle Bay:

Open grassland of Wane Point:

Shrubs:

18652. *Ephedra*. P. tree or shrub 5-6 m. (wattle also) = larger based sh. of Tally Oak; fl. ^{wh.}
 81. *Phoradendron reticulata*. O. ± 50 cm. Brs. wh. bracts: leaves fine. **AIHINGA**

85. O. 80-100 cm. Fls. yellow, showy (aff. *Eriogonum*).

92. *Kibberia* cf. *Haworthii* A. 10-20 cm. Fls. yellow, showy.

18703. *Vaccinium* cf. *hirsutissimum*. A. sub prostrate to prostrate. Mostly shrub. Fls. yellow - pink.

776. *Thamnochortus*. C. prostrate in dense dark green mats. Fls. wh. cf. 18652.

77. *Fragaria*. A. prostrate & mat-forming. Fls. deep rose & pale pink. Fls. white.

Grasses:

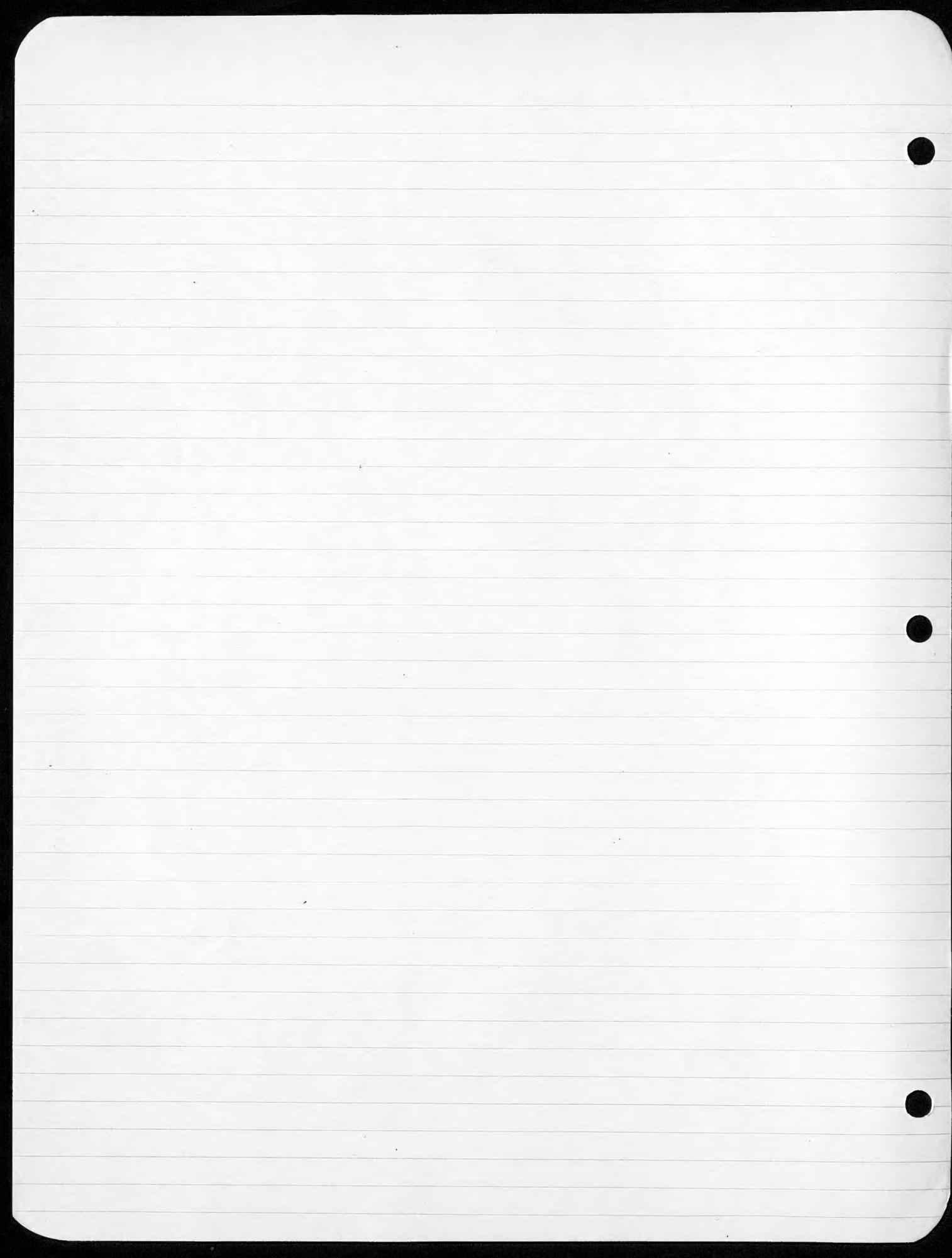
18884. 1850 covering openings in shrubland. L. 15 cm.

90. Principal sp. on past. 60-80 cm.

18700. *Pennisetum* var. *ara* P.

6. C. 50-70 cm.

Legumes:



Newcastle BayOpen grasslands of Warr Point 41° 10' ± 20 m.Herbs.

18678. *Lignum*: C. on open sandy ground. Trailing. Fls. yellow.

83. *Stachys* C. 15-30 cm. Branches simple; leaves & fls. green. Fls. gr. yellow. AN-YA

86. *Tomovs.* C. trailing on sandy ground. Fls. blue

91. *Tent.* C. sandy ground. 20-40 cm. simple or branched; fls. cream

94. *Porop.* P. prostrate. Fls. wh.

95. *Tomphium* C. 20-30 cm. Branches red; fls. white

96. *Tengooh.* C. 15-20 cm. Fls. white

97. *Thomosa* O. herb ± 10 cm. Fls. purple. WUNTA

98. *Geome?* O. stiff, spreading few cm. above ground. Fls. yellow.

99. *Pomaria*. O. erect 50-80 cm. Fls. greenish

18701. *Reb.* C. 40 cm. weak, ascending. Fls. cream

2 ~~Cartonema~~ F. 10-30 cm. Fls. yellow (Tuckerbie also).

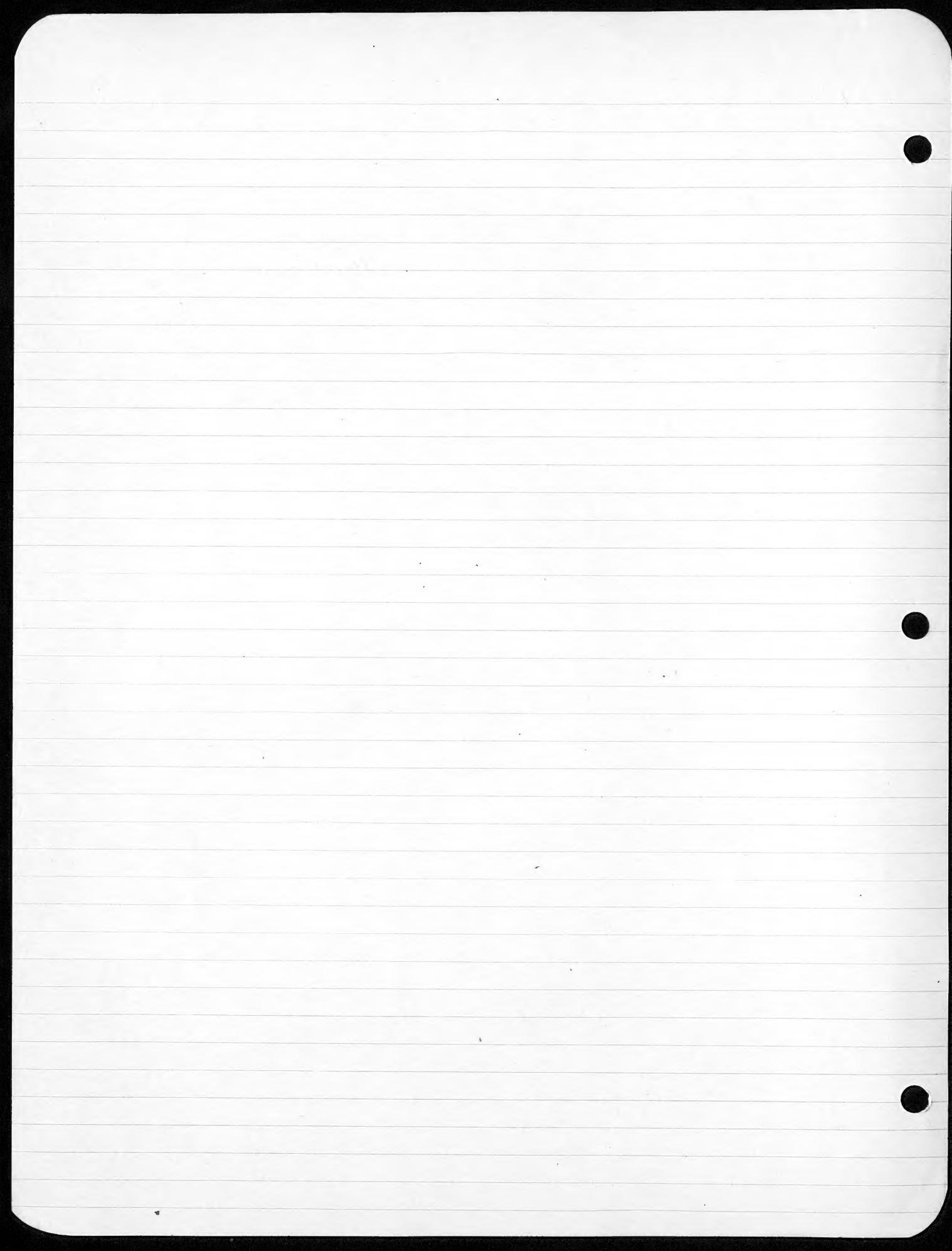
4 *Tomovs.* C. trailer to over 1 m. long. Fls. wh.

5 *Tomovs.* C. trailer. Fls. wh. showy.

7. *Thomosa* O. close to sea. Tufted or short creeping. Fls. purple, showy

18778. *Helichrysum* Sh. 10-30 cm. Fls. yellow, showy. Leaves & viscid.

18802. *Sylosanthus*. "Townsveil Lucern". Forming dense mats on open ground of Wallack Pt.



Newcastle Bay

Freshwater aquatics

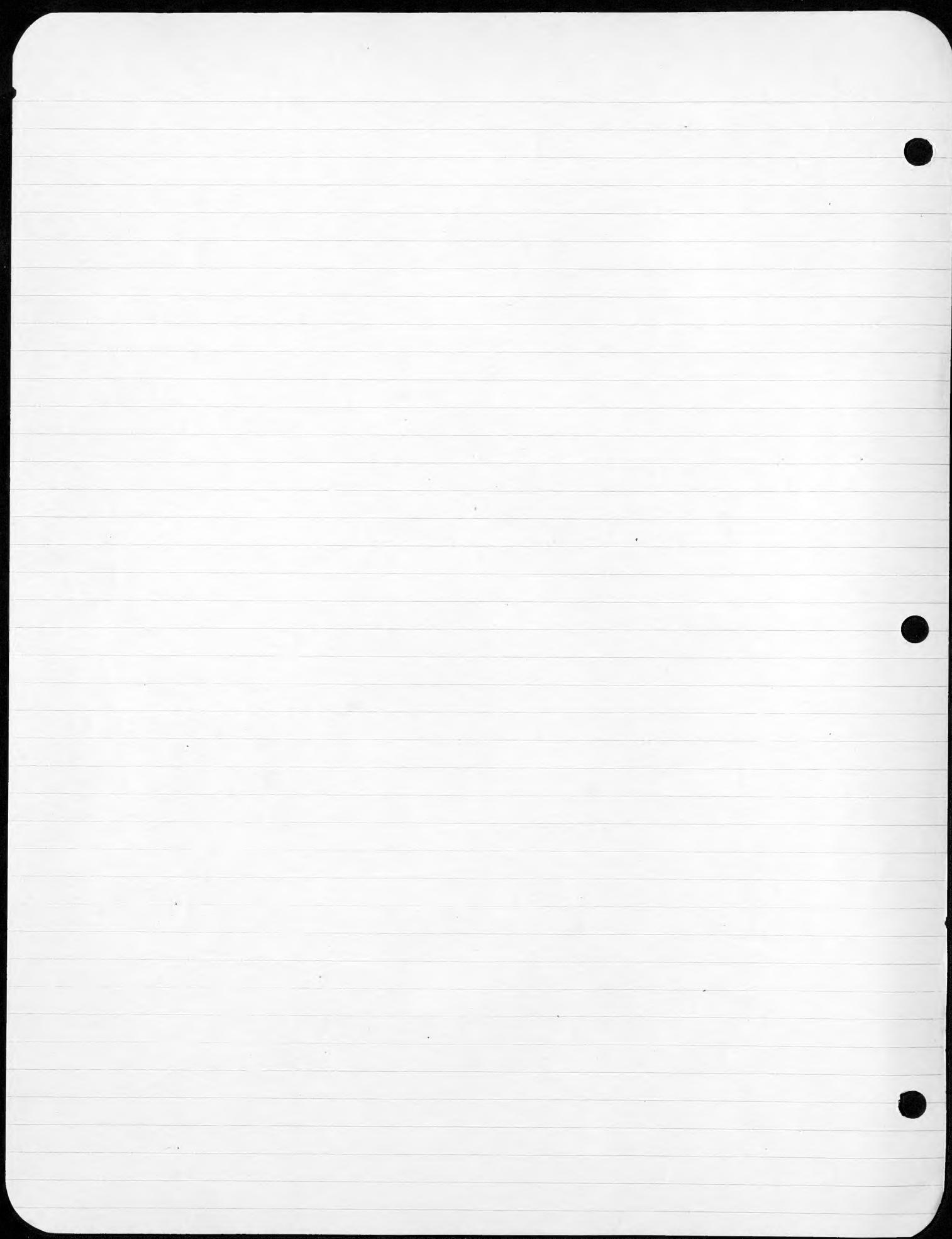
18738. *Hydrocharis*.

Submerged in a boggy pool between dunes (sand). 20 cm.

Mangroves:

18775. *Nypha falcata*

WAT-PAPU. At single mature or nearly mature, but stunted plant ca. 10 m. tall on muddy bank of a freshwater stream influenced by tides. Just behind beach; mangroves *Heritiera*.



Tardine River, ca. Long $142^{\circ} 21'$

Tavanna flora:

Turkey bush

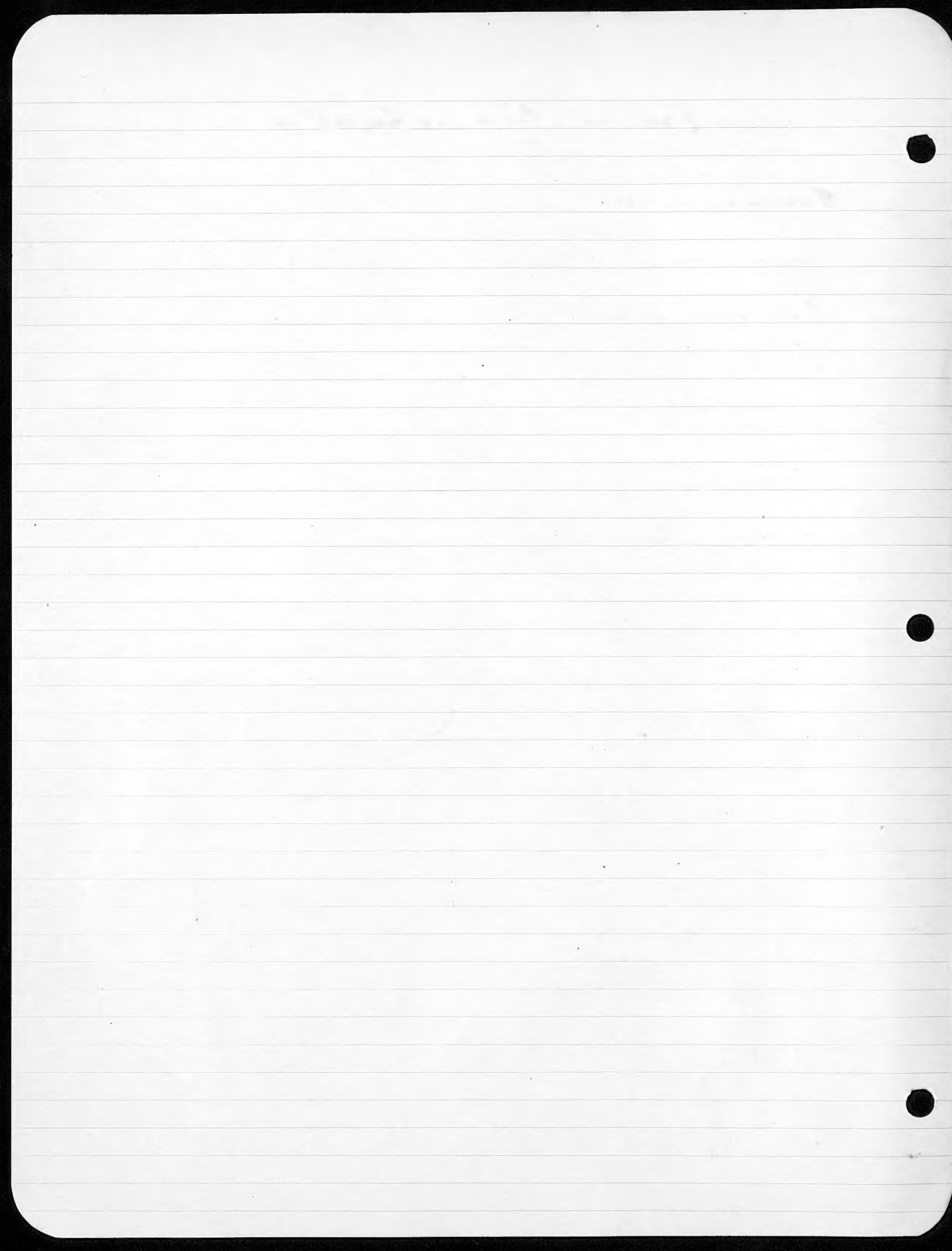
Black leather scrub

River banks

Waterholes

Mashes

Tanamere Tepoon



Tardine River

Tertiary ridges
Sandy water flats
Sandy flood plains
Low sandy ridges
Wooded forest of sandy riverbanks

Savanna form

Trees

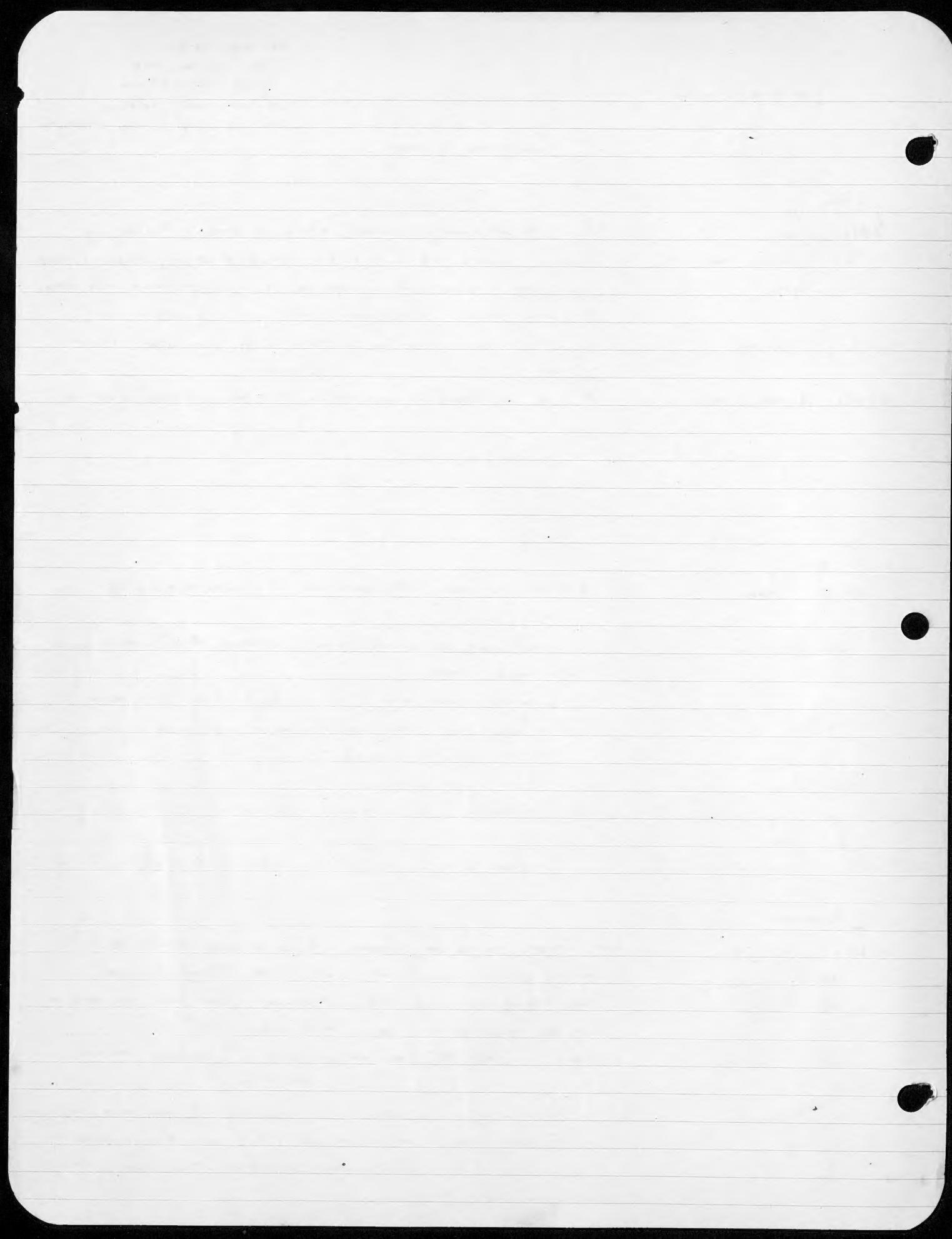
18821. Rub. F. on low sandy water ridges. ± 10m. Fls. wh.
20. Passiflora C. low sandy ridges. 6-8m. Bark dark grey, rough, fissured.
83. Teph. ? Forming limber pure stands in wet depressions on river flats.
87. Protocarp 8-10m. Fls. pink. Branches drooping. LURRA
O. mesomict forest tertiary ridges. 8-10m fls. cream. Leaves
pale green. Dark br. rough bark.
18901. Xanthocerasma F. with mesomict on sandy ridges. 8-10m. Fls. yellow. (^{large tree}
_{at Lokerbie})

Thickets

18822. Teph. VTF in mesomict/wooded S.E. of tertiary ridges, 10-15m.
Fls. & fl.
27. Rub. C. low sandy ridges. ± 20m. Fls. yellow. Form of spreading heli-
citionella-scrub.
68. ? Eng. in mesomict forest of tertiary ridges. 1m. Fls. cream.
88. ? Total upper sandy flood plains. Numerous small stems in clumps 1-2m.
Fls. red. Fls. 1-4 lobed.
91. Rub. T. low sandy ridges. 50cm. Fls. white.
92. ? C. mesomict forest on hard tertiary ridges. 80-100cm. Bark grey fls.
93. Teph. O. " " " 60-80m. Divisions.
95. Bleedingthorn 1 sample. " " " 1m. St. dark purpl. Fls. ?

Grasses

18820. Eng. locally on higher sandy flood plains 10-15cm.
84 P. moist sandy water flats 50-70cm. Plant ± erect.
87 Eng. locally on sandy ridges ± 20cm. Plant bent over as if to
bury the ridge tips of its spikes in the sandy soil.
88 C. sandy mesomict/wooded ridges. 70-80cm. Spikes ± naked.
89 " " " 40-50cm.
70. Panicum. Eng. moist bases of a hillabang. Lengths 120-150cm. Culms few, stiff.
71. P. in wooded forest of sandy riverbanks. 1m. Fls. yellowish culms.
72. One of chief grasses of higher sandy flood plains. Mid clump of many
slender culms. 80-90cm.



Pardine River

Tananna forest

Grasses cont:

18873. One of principal sp. on sandy floodplain. 80-100 cm. Numerous culms
from sand on river floodbank. 40-50 cm. Proliferous.
74. O. in semi-shade " " ascending.
75. *Panicum* P. on sandy floodplain. 30-40 cm.
80. A. wet depressions on river flats. 80-100 cm. Bl�ks of few very culms.
85. F. " " 70-80 cm. Few robust culms.
90. F. mesomeric forest hard tabular ridges. 1-1.2 m.
74. *Horstia* O. sandy banks of a waterhole. 50-70 cm.
18873.

Herbs.

18881. *Polygonum*.

84. *Stroph.*

85. *Syngonium*

86. *Thunbergia*

87. *Goedenia?*

18807. *Brosimum*.

~~17. *Gram.*~~

18. *Gram.*

20. ?

C. locally on sandy upper floodplain. 30-60 cm. Fls. pale purple.

C. wet bottom flats. 20-30 cm. Fls. pink.

C. " " 30-40 cm. Fls. pink.

F. " " 10-14 cm. Fls. purple, 20-25 cm.

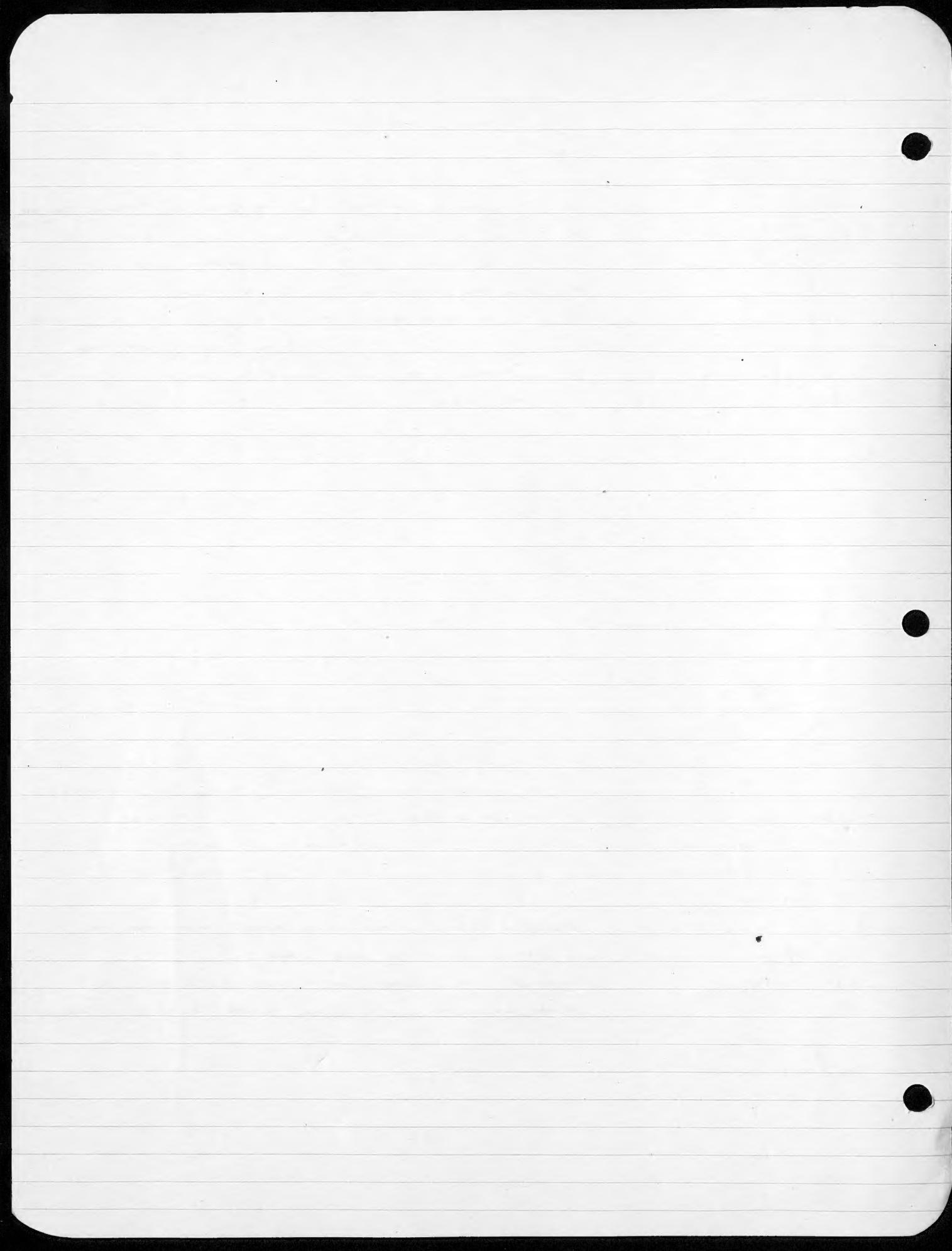
C. " " 15-25 cm. Fls. white.

Grown in sparse ground cover under *Tananna* trees.

30-40 cm. Fls. very pale pink.

Amongst grass in sandy bottom flats. 30-35 cm.

Moist grassy edges of a bottom swamp. 15-20 cm. Fls. yellow.



Pardine River

Savanna forest

Epiphytes & parasites

18842. *Thorntonia*

82. "

18803. *Baenyphe*

On Melaleuca sp. fls. orange-red.

Leaves glaucous. Fls. orange & red.

On ground & on prairies in monsoon forest: Fls. lgt. white.

Shrubs cont.

18886. *Diosocia*.

Eng. in thickets in monsoon forest of latifl. ridges
2-3 m. Fls. yellow, fragrant.

87. *Melastoma*

O. grassy banks of swamps & waterholes. 60-80 cm. Fls. purple.

18802. *Diosocia limosii*?

O. in monsoon forest of ridges 1.5 m. Fls. yellow. Tree; slender.

Ridges

18800.

12. *Blackium*

C. mossii sandy heath fls. 50-70 cm.

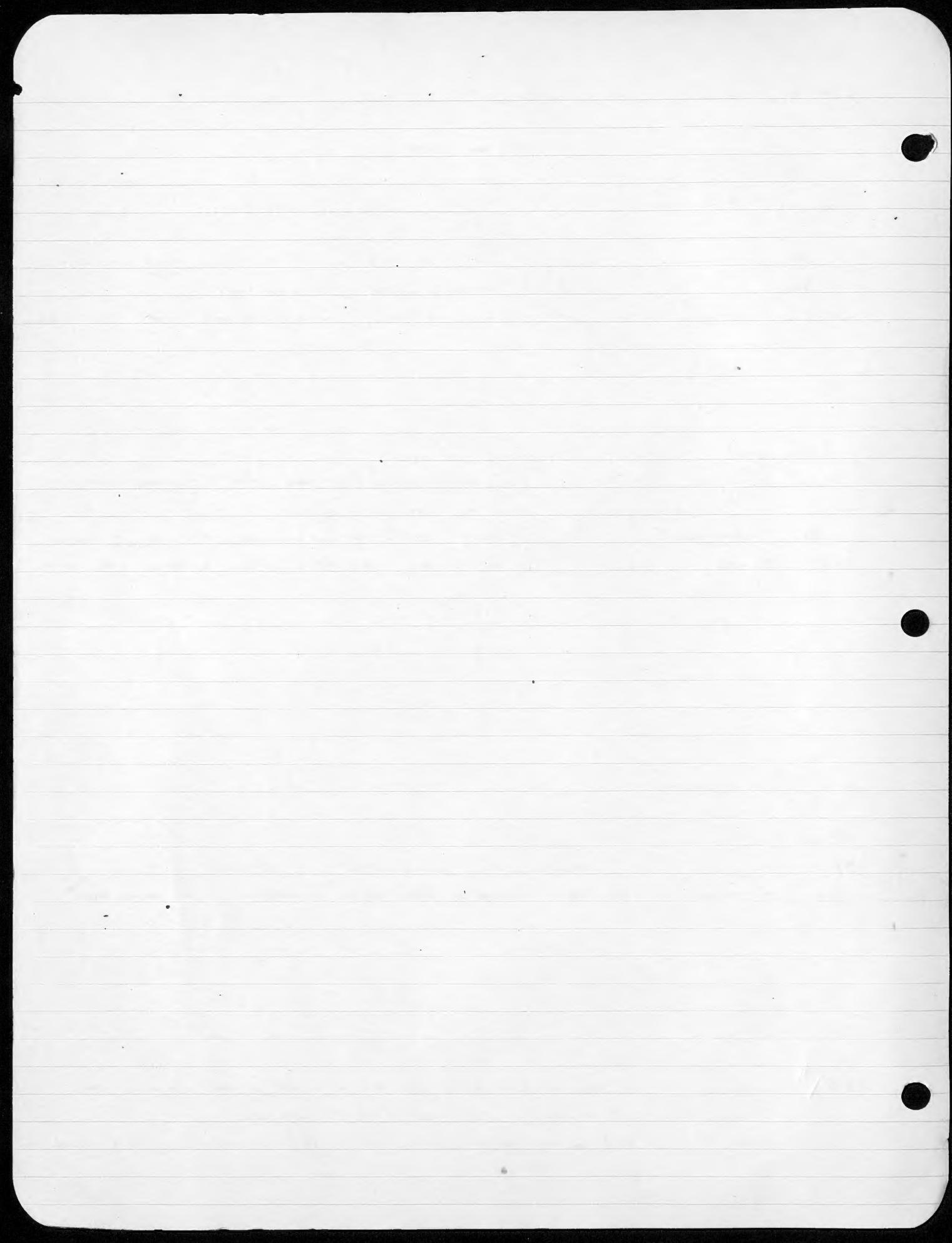
88 major element in sparse leafed ground cover of wet heath fls.

18908. ¹¹ *Restion*?

88 major element of the sparse leafed ground cover of wet
heath fls. 85-90 cm. Plant drabish.

86. *Restion*?

V. 19. in open leafed cover of heath fls. 80 cm. Plant pale green.



Gardine River

Turkey Bush

Trees

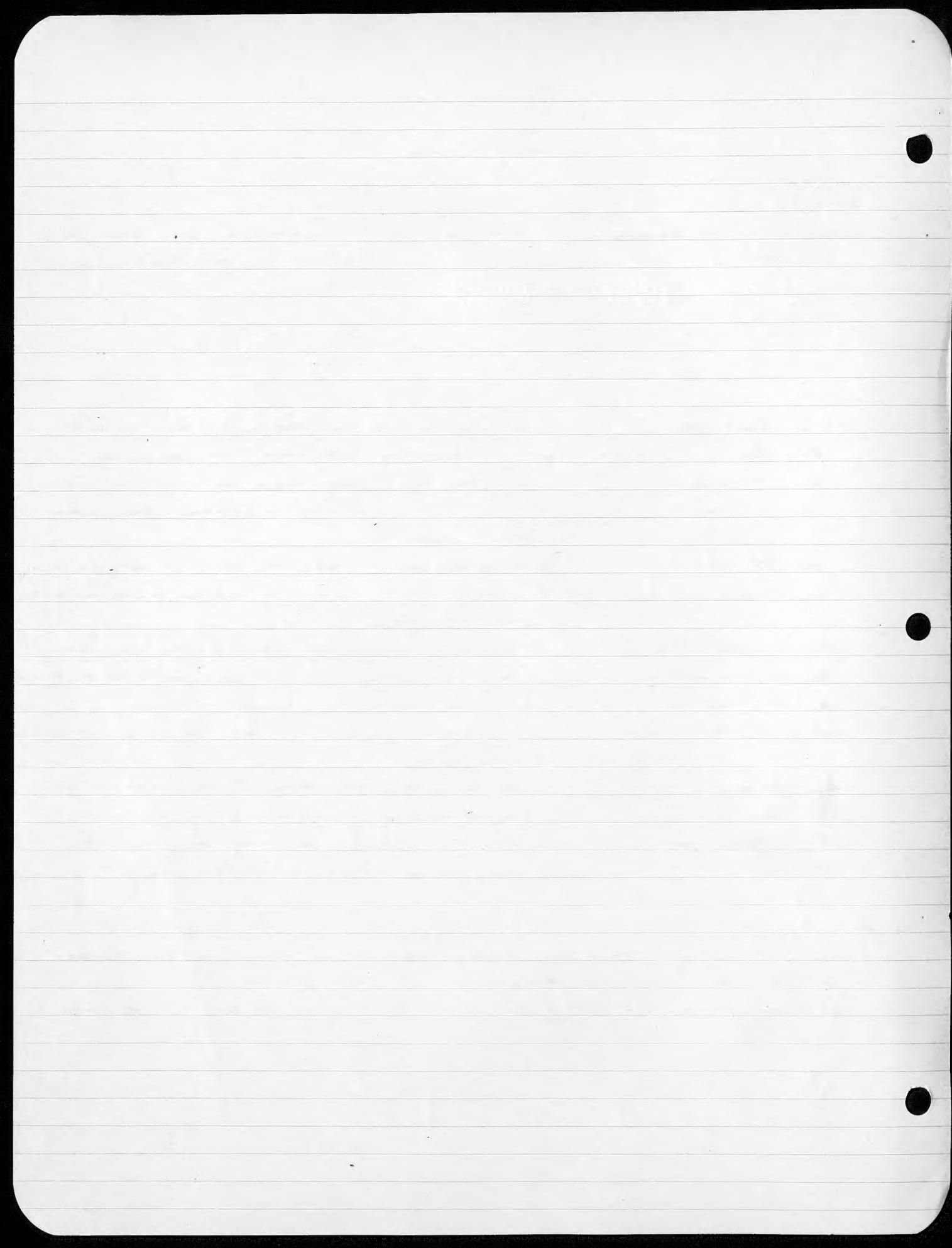
18831. *Brachystegia dentata*? A in wallum scrub. Tree or shrub. 1.5-4 m. Fls. yellow. P. yellow. 33. *Acacia* C. " " " 2-5 m. P. yellow & glaucous. *Emilia gibbosa* (= *S. glauca*).
Fruit

Shrubs

18834. *Sarcococca* C. in scrub of low sandy ridges. 1-2 m. Fls. pink. 35. *Ros* V.F. 20-30 cm. Fls. yellow. *Prostanthera* scrubbed. 36. *Fungia* P. in scrubby esp. of sandy ridges. 40-60 cm. Fls. pink. 38. *Hibbertia* F. " " " 30-50 cm. P. pale yellow (near Newcastle Bay).
One example in low scrub of sandy ridge. stiff, and 50 cm. Fls. yellow.
40. *Hibbertia* F. " " " 70-100 cm. 100 cm in subprostrate habit. Fls. whitish.
43. *Gompholobium* A. in low growths on sandy ridges. 1-80 cm. Fls. yellow.
Alike *Grevillea* 44. *Hibbertia* S. in scrub " " " 30-40 cm. Fls. yellow (*Prostanthera* 45. *Morinda relicata* One example low " " " 80 cm. Fls. yellow. Leaves broad. Midg. scattered scrub " " " 40-60 cm. Fls. wh. (base & wh. above pub. green below).
C. in scrub of poor sandy ridges. 50-70 cm. Fls. wh.
47. *Trilepis* C. in wallum scrub. Tree in dark gr. clumps 1.5-3 m.
52. *Psychotria* S. " " " 80-100 cm. Tree, slender. Fls. yellow.
58. *Gompholobium* S. sandy ridges " " " Fls. reddish or green.
68. *Leptospermum*

Herbs

18837. O. in scrubby growing sandy ridges. 40-50 cm. Fls. pink-white.
39. *Prostanthera* S. in low " " " " Fls. wh.
46. *Haemodorum* F. in open places " " " Fls. red. (Glossy stalks).



Gardine River

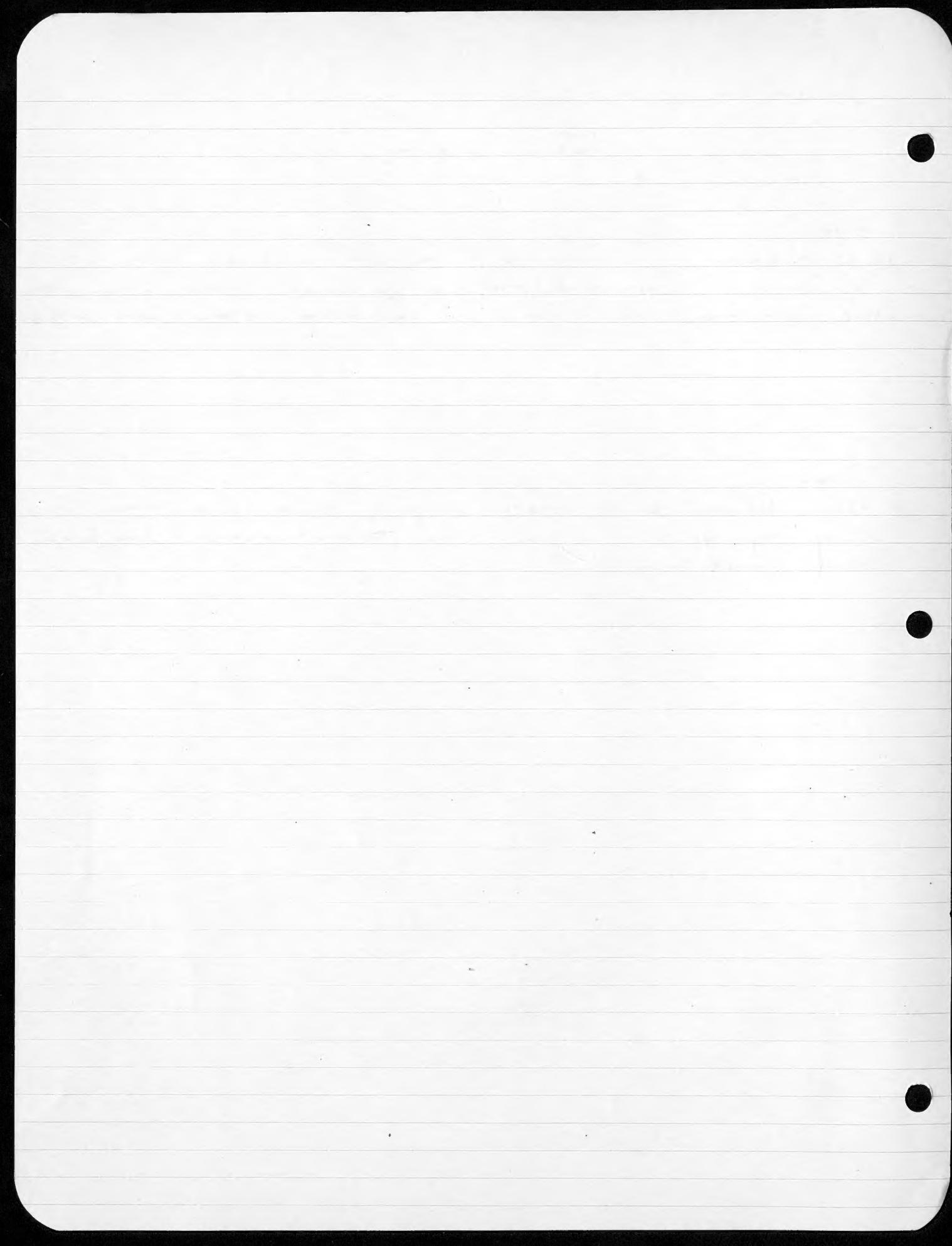
Black leaf tree scrub.

Trees

1853. *Bodomaea*. C. tree or shrub 5-6 m. (also occurring a W. of Newcastle Bay.)
76. "Metrosideros" (a *Leptospermum* *fabricii*?). One of chief dominants. (Fls. yellow - just open) 5-8 m.
1882. *Leptospermum* *fabricii*. Chief sp. of the scrub. 8-10 m. Proportion of yellow fls. = 1876

Shrubs

1883. *Eperua*. C. Big leaved sp. of Newcastle Bay & Toodyay 8k. 2-3 m. Fls. white.
99. *Metrosideros*. C. growing banks of swamps & waterholes. 4-6 m. Fls. prof. 6.
1850. *Acacia* of Tasmania.



Pardine River

River Banks

18877. *Hippium?*

Banks of 100' sand on river edges. 5 m. Tow spreading habit. Finch.

78. *Distichlis*

Scattered on 100' sand. Thrust 1 m. Fls. yellow. Leaves br. floccose below.

79. *Thymelaeum oligandra*. P. on 100' sand of floodbanks. Thrust 60 m. Fls. white

Waterholes

18888. *Eriocaulon rotaceum?* Gray. in shallows of a water hole. All but upper part of peduncles submerged. Throats gray.

Marshes

18905. *Eriocaulon*.

C. mucky soil of a seasonal marsh. 25-40 cm. hollow white.

08. *Utricularia*.

C. " edges " " 10-25 cm. Fls. golden

09. "

C. " " " 10-30 cm. Fls. yellow, with reddish bottom

10. *Lycopodium complanatum*.

P. " " " 20-40 cm.

11. *Stigmaria*.

C. sandy margins " " 5 m. Weak, scrambling.

18. 14. *Brassia*.

Unc. grassy edge " " Fls. wh.

15. ?

Scattered wet grassy edges " " Fls. wh. later yellow

16. *Dianella*

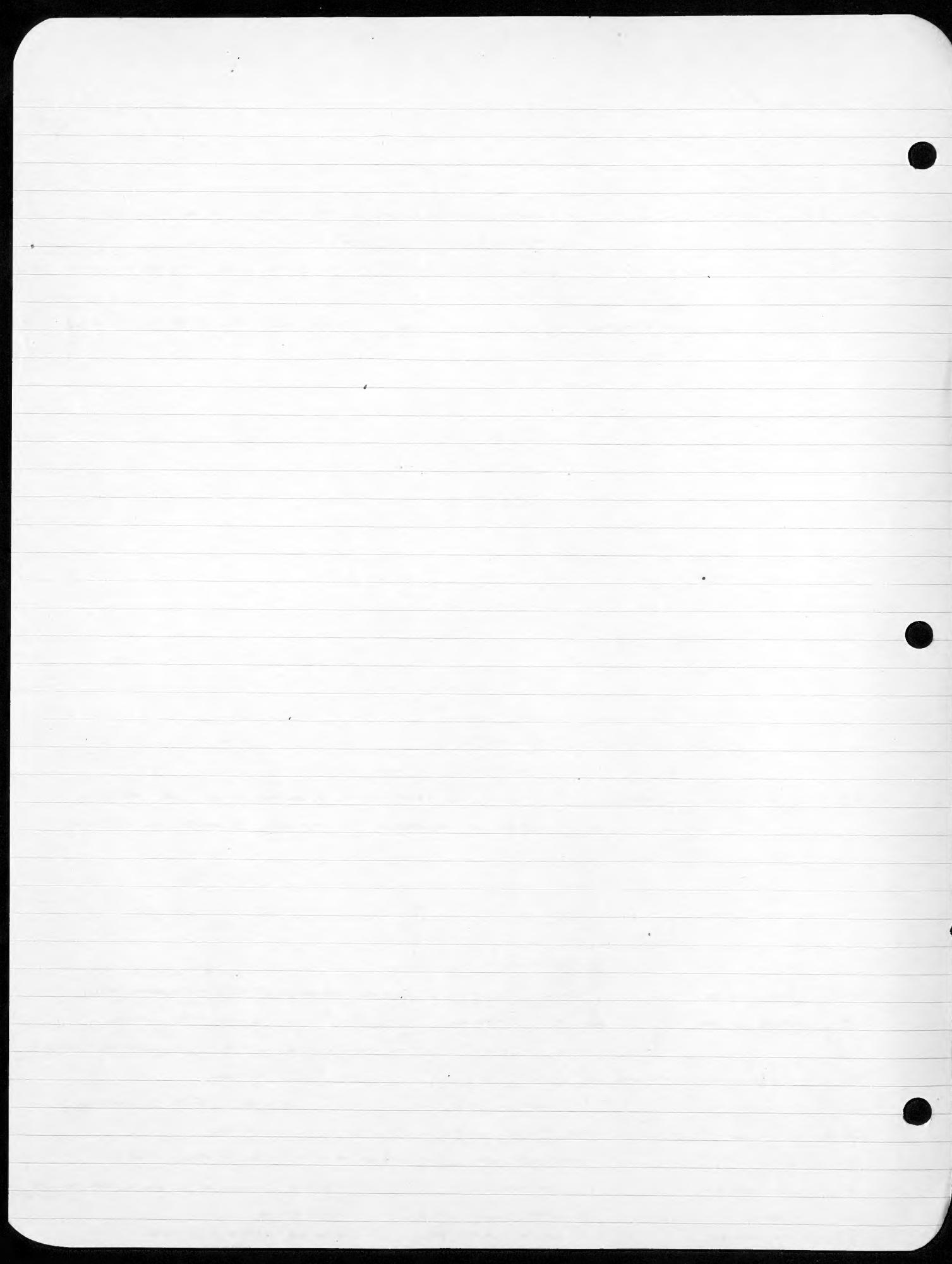
F moist " " 80-100 cm. Social in groups. Distribution. Fls. white.

17. *Rosina*

P. wet sandy edges. 60-70 cm.

18. *Utricularia*

Roots on muddy edges - Fls. white, yellow & purple.



Sardine River

Tanamere Lagoon

Open sandy margins

18850. *Nepenthes mirabilis*. P. 30-40 cm. Pitchers gr. mottled red outside, purple inside.
Rare. Fl. tube reddish-pink, lobes pale pink.
Scattered on wet margins (sandy). Plant reddish. Fls.
pink & reddish.

55. *Burmannia* P. on wet open sand. ± 25 cm. Pitchers blackish. Fls. red.

58. *Grona* S. .. " 2-8 cm. Fls. purple.

59. *Scleria* C. on small accumulations of peat on wet open margins. Fls.
yellow & red. 3-7 cm.

60. *Utricularia* S. a wet sandy margin. 6-17 cm. Fls. wh., tinged pink. Fls. purple.

61. " C. in small social groups " " 2-6 cm. Fls. " "

62. " C. locally " " 16-30 cm. Fls. yellow; lip reddish-brown.

63. " C. wet open sandy margins. ± 20 cm. Fls. blue.

64. " C. wet open sandy margins. 6-15 cm. Fls. yellow & gold.

65. ?

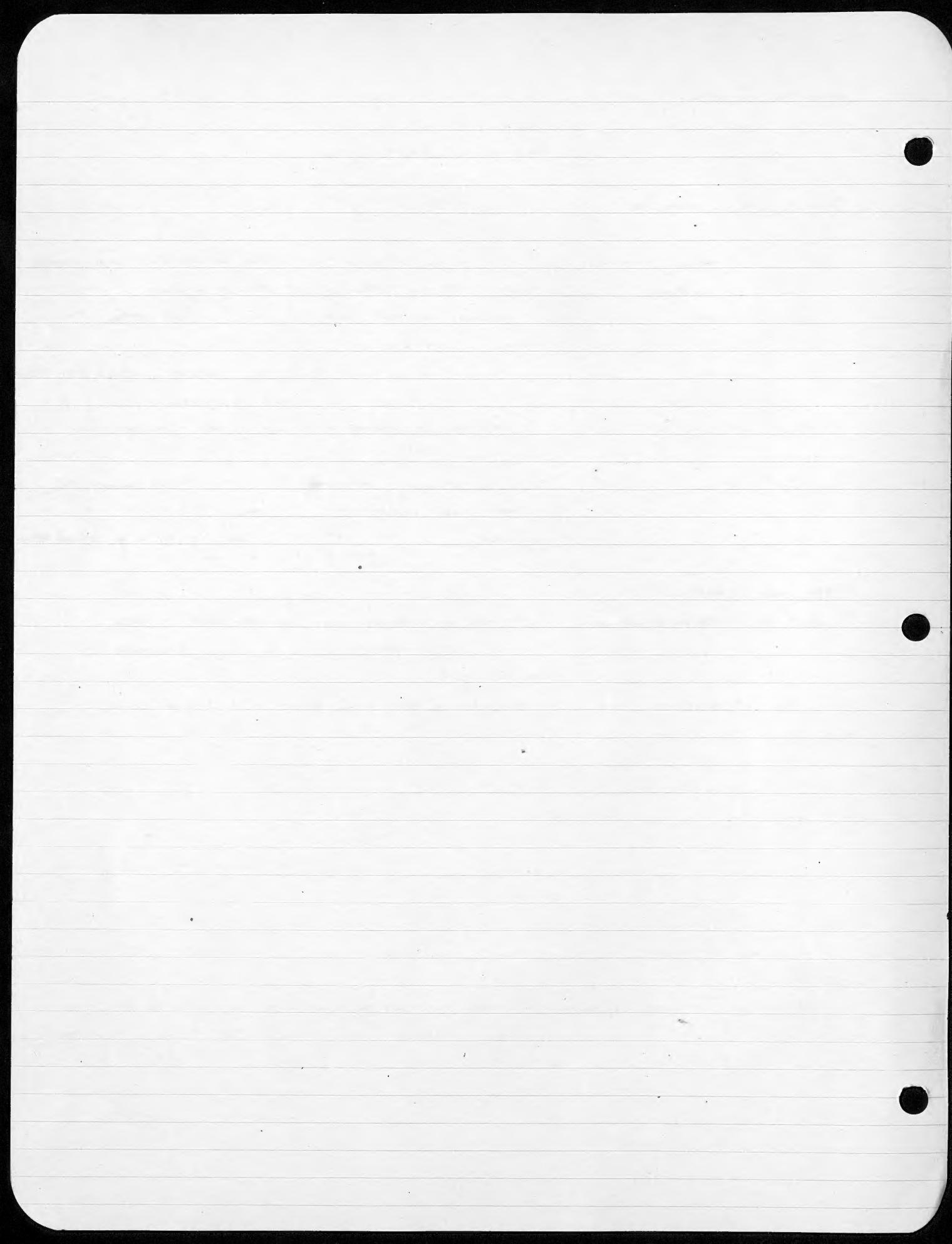
Marginal shallows

18854. *Melaleuca* Linn. var. Forming an amphitheater scrub in shallows with
Alpinia & *Gahnia*. 2-8 m. Fls. greenish. Papery
whitish bark

57. *Utricularia* C. in outer shallows. 6-15 cm. Fls. purple & gold.

Open sandy margins

18866. *Thryptomene oligandra*. DB major element in low scrub on wet soil. 30-100 cm.
67. *Alpinia* Chief constituent " " " 1-15 m. Compact,
sparsely



Red Island Point

18524. Trees.

(2 mi. SE). Emerges in s. of volcanic ridge. 10-25 m.

Rain forest of sandy coast

18525. *Platiodendron*. slender tree 7 m. Showy wh-fls.

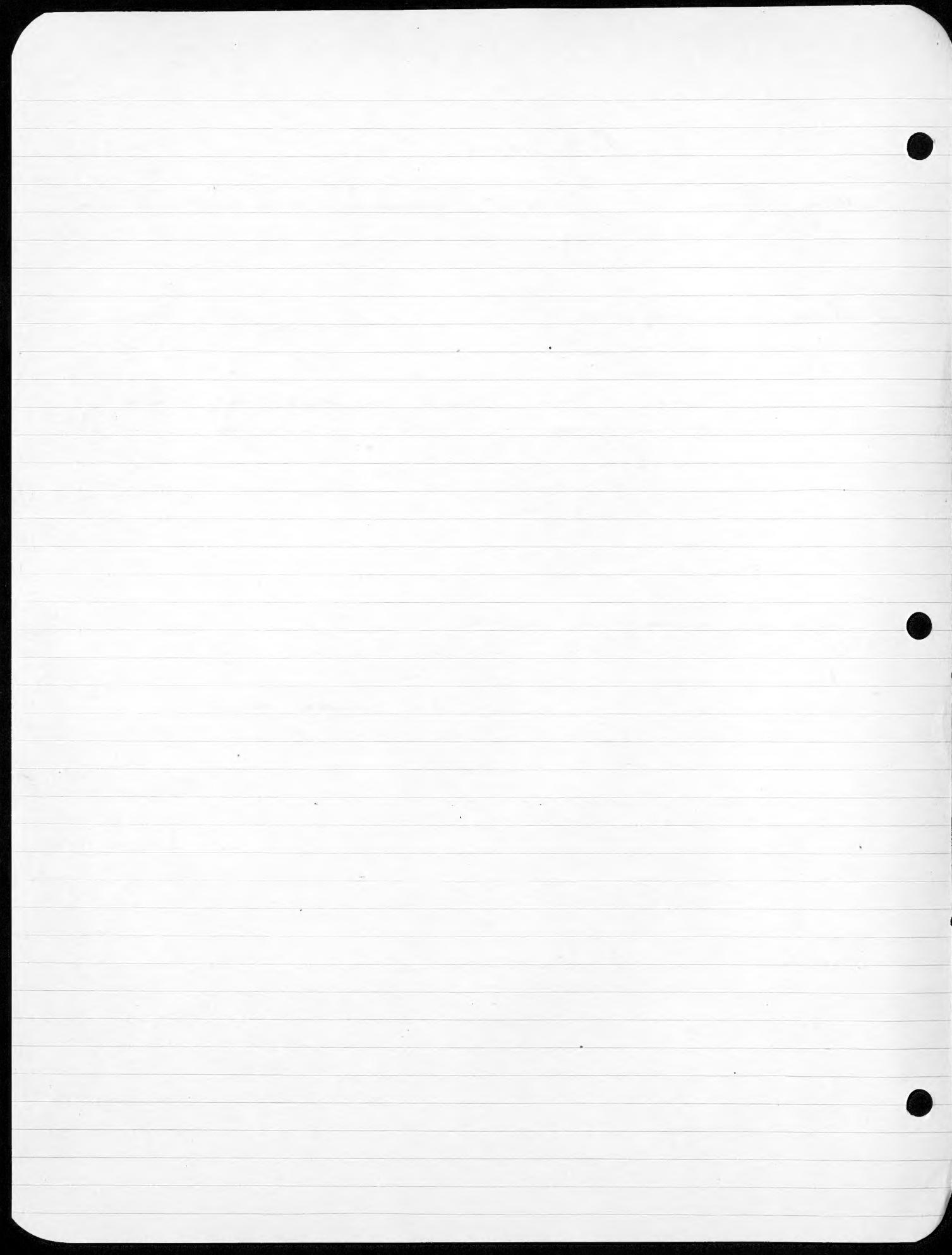
26. *Ficus* C. tree to 20 m. Large spreading canopy fls.

29. *Pongamia pinnata*. C. " 15-16 m. Fls. br. - purple.

Woodwood savanna forest near coast

18528. *Santalum* C. tree 6-8 m.

30. *Albizia*. C. tree 6-8 m. Branches drooping.



Portland Roads

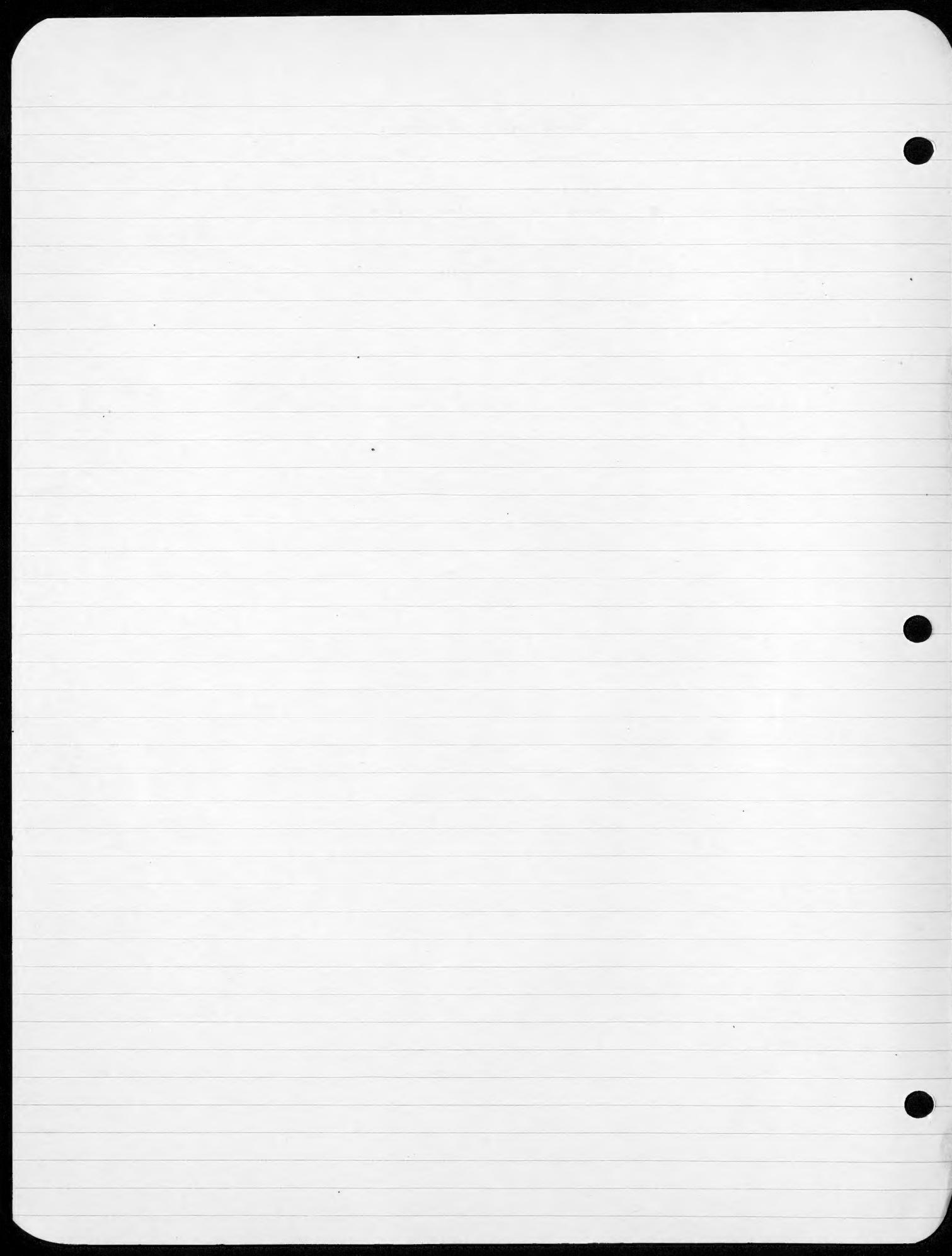
Rain forest of gullies on Hyden Hills

Brushy coast rain forest

Tananna forest

+ open rocky slopes of Hyden Hills.

Turkey bush



Brushy forest

Portland Roads

Rain forest of gullies on Hyden Hills

Tree

19010. Name.

~~H. Fager~~

C. in brushy growths on hills. Tree a shrub 3-4 m.

Shrubs

19011. Lignum.

Brushy growths on granite hills. 3-4 m. Large shrub,
weak mesocandent habit.

12. *Hecoua*? ?

" " " 4 m. Th. ab. (also behind mangroves).

13. *Photomysces*

" " " 2 m. Shrub w-h-fl.

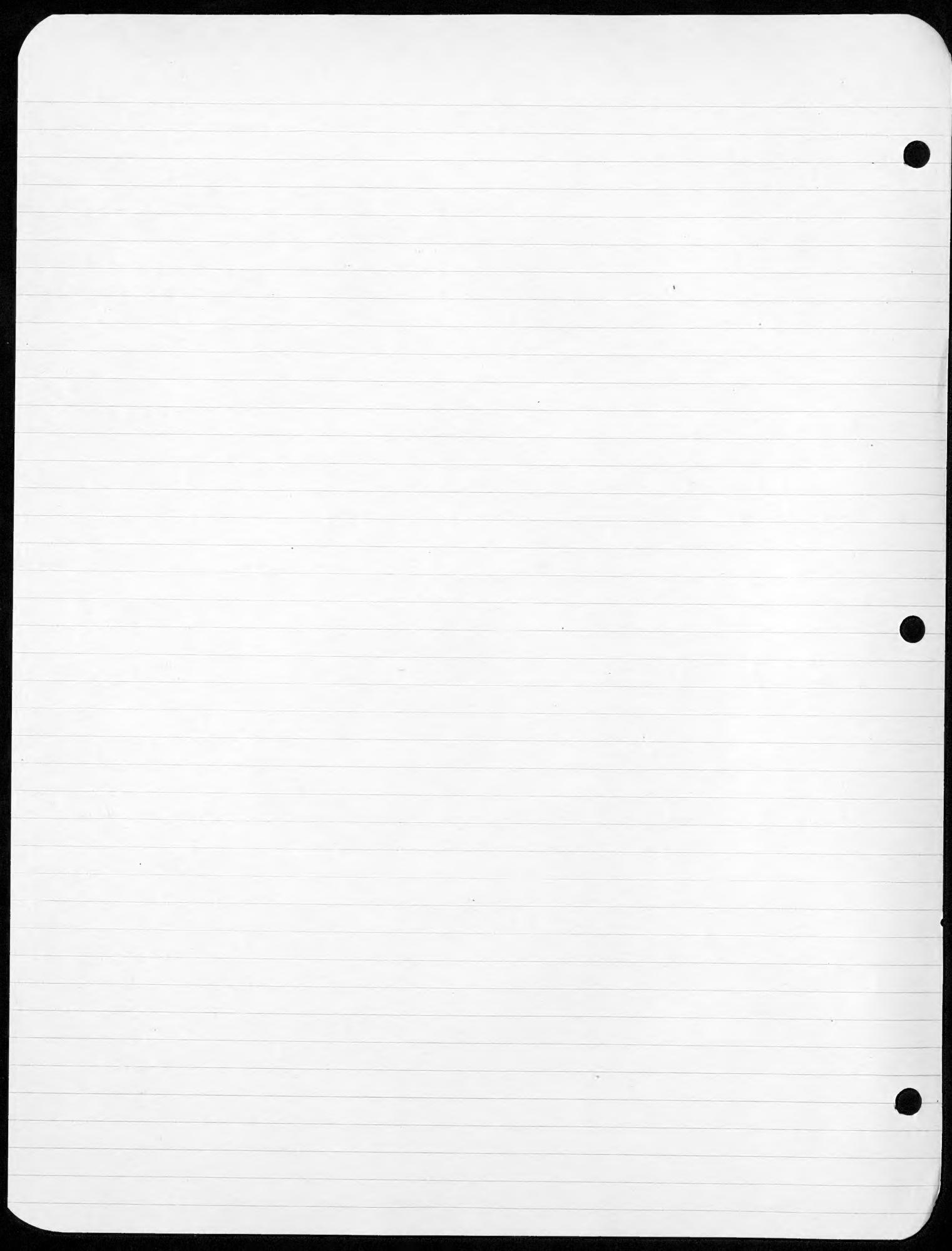
33. *Phaleria*

Undergrowth of RT on granite hills. 1 m. Shrub w-h-fl.

Vines

18938. *Banavalia*.

C. in brushy forest. 3-6 m. (vine) Th. purple-pink. Fl.



Portland Roads

18857. Spec.

Turkey Brush

Forming small patches of scrub in savanna forest of sandy granite ridges. Height 2-3 m. Fls. wh. Lvs. lvs.

Brushy Coast-rain forest

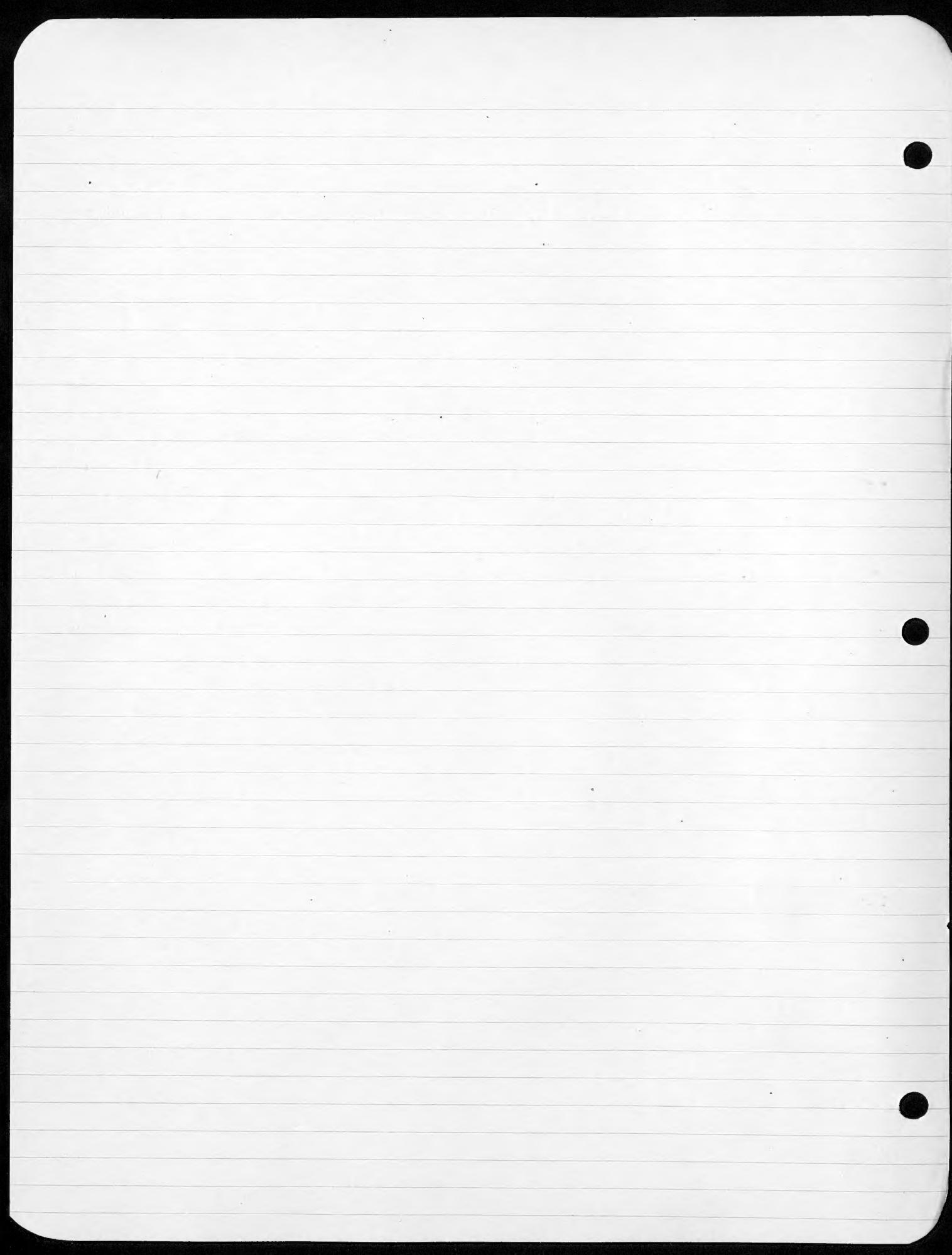
19016. Spec.

Tree 15 m x 30 cm. Fls. yellow. Rough gray bark.

19015. *Myrsinaceae* racemosa. C. in brushy forest close behind beach mangroves. Tree 2-3 m. Fls. wh. Fls. red.

19017. *Tamiscum*

P. brushy growths close behind mangroves. Tree 6-8 m.



Portland Roads

Savanna forest

Trees

18952. *Eucalyptus*

58. *Platlea*

59. *Emilia* *Striata*

64. *Eucalyptus*

68. *Protostigma quadriloculata*

69. " " "b.

76. *Mutalea* *lancea*, var.

78. *Mutalea* *aff. lancea*.

71. *Eucalyptus*

Eucalyptus tereticornis. At about edges of game forest. Larger - & straightest eucalypt. tree in Portland Rd. area.

(Bloodwood). Chief tree of ST on well drained granite ridges (20 m.). 10-15 m x 25-40 cm. Fls. cream. Outer bark slightly reddish.

Fl. assoc. of Mel. tree. var. on sandy flats. Tree 5-8 m. sp. h. 20 cm. dia. Fls. yell.-gr.

(Breadwood). O. in Bloodwood ST. on sandy granite ridges. 6-7 m. fls. cream.

C. ST. sandy low ridges & hollows. 15-18 m. x 25-30 cm. Fls. cream. Bark grey-gr. Leaves glauc. below. (Bloodwood).

C. (Bloodwood ST) sandy granite ridges. 5-8 m. Fl. yell.-gr.

C. with 18958. 3-6 m. Bushy shape habit. Leaves shiny above. Fls. orange-yellow.

S. Bloodwood ST sandy granite ridges. 10-12 m x 15-20 cm. Fls. pale red. Bark pale grey, papery. Young leaves glauc.

Edging a sandy watercourse in ST. 4-6 m. Fls. pale yell.-green. (Bog). Chief tree of open ST on stony granite ridges. 10-15 m. Branches & petioles bright yell.-gr.; leaves & glaucous. Fls.?

Shrubs

18953. *Euph.*

73. *Emilia*

77. *Hibiscus*

80. *Phytanthus*

19018. *Tephritis*.

74. *Helichrysum*

36. *Euph.*

C. in ST of sandy granite ridges. ± 60 cm. *Mark Stevens* (many)

S. Bloodwood ST granite ridges. ± 1 m. Fl. orange.

Fl near streams. ± 1 m. Fls. wh. with purple throat.

S. in ST. 100-150 cm.

Forming low shrubs on open sandy flats close behind margins. ± 1.5 m. Fls. dark purple.

P. in ST of granite ridges. 1.5-2 m. Fls. purple. Very slender & hairy branch. (Parker Rd.).

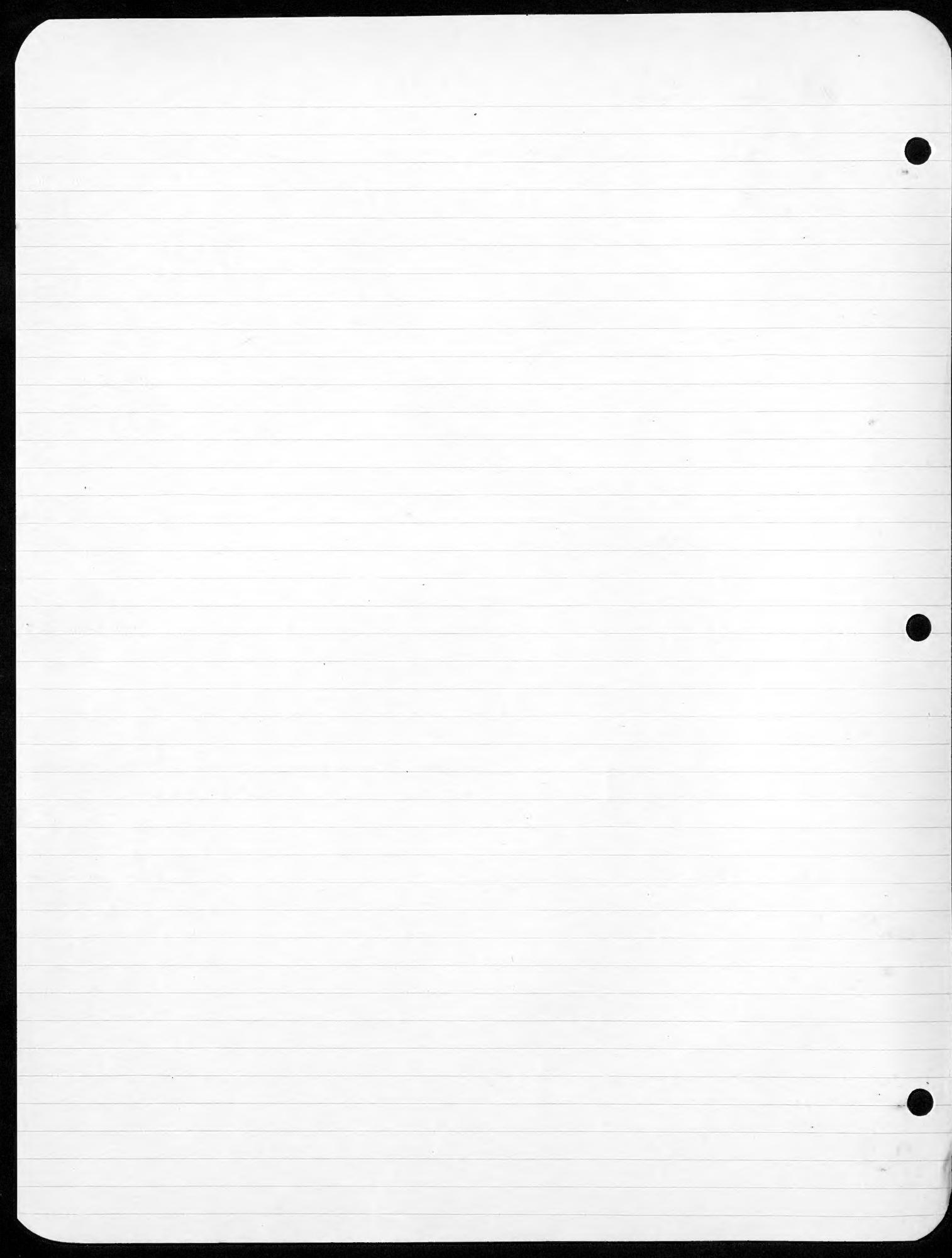
Local in ST of granite ridges (Parker Rd.). 30-50 cm. Leaves ^{long} 2-3 m.

Epiphytes & parasites

19008. *Toromilia grandis* *variculata*? On Mel. tree. Fls. & bracts green.

16. *Toromilia*

On *Tantilla* sp. Fls. bright orange-red.



Portland Rocks

Parana Forest

Herbs

18860. *Wahlenbergia*
 82. *Ionidium*
 63. *Bommeria*
 66. *Bonnie?*
 72. *Polygonum*
 78. *Xyris*
 82. ?
 83. ?
 84. *Eriocaulon*
 87. *Schoenus*
 88. *Utricularia*
 89. *Teephornia*
 91. *Bompl.*
 95. *Bompl.*
 99. *Luz.*
 19001. *Polygonum*
 03. *Markhamia*
 05. *Bonnie*
 35. *Battisia?*

O. St. sandy granite ridges. 30 cm. Fl. blue spreading ^{ascend}
 F. " " " 30-50 cm. Fl. lavender
 O. " " " 30 cm Fl. yellow
 F. moist sandy flats. 20-40 cm. Fl. lavender
 S. in St. of granite ridges. 15-40 cm. Wings purple, pubescent
 Rootstock on a moist, leathery flat. 50-60 cm. Fl. yellow
 Spreading on muddy ground of a wet bottom flat. Fl. pink. Fl. incl.
 Eng. wet sandy soil " " " 3-4 cm.
 " " " " 12-18 cm. Roots pale brown
 " " " " 10-20 cm. Ascending, fibrous.
 Vif. " " " " 20-30 cm. Fl. pale yellow
 C. box St. stony granite ridges. 60-80 cm. Fl. purple
 C. " " " 40-50 cm. Fl. yellow *Thlaspi anomalic*
 Eng. on otherwise bare sandy soil in St. ± 15 cm. Fl. white
 C. locally in St. subfranklin 20 cm. Fl. yellow
 S. St. granite ridges. 80-90 cm. Petals purple, sepals green.
 O. " sandy " " 40-60 cm. Fl. dr.
 Trailing many sandy flats behind bush. Fls. deep rose.
 O. 2 f. of granite ridges. 25-30 cm. Fl. white.

Grams

18847. *Heliosperma* ^{insignis} ~~coeruleum~~

48.

Coastline in Woodwood St. of granite ridges. Ext: 1.5-2 m.
 C. locally granite ridges. 80-90 cm. Petals silvery.

49.

C. thinly ground " " 30-45 cm.

50

C. Woodwood St. " " 60-100 cm.

55.

Often chief element of ground cover of St. of granite sandy
 ridges. ± 80 cm.

56.

Eng. locally " " 20-30 cm. Nest, spreading

61.

C. locally thinly ground Woodwood St. 20-30. Petals silvery-dr.

65. *Torquium*

Eng. locally on moist sandy low ridges. 80-100 cm. Leaves linear

67. *Aristida*

A. Woodwood St. sandy granite ridges. May work spreading culm-like

75. *Polygonum?*

O. " " " 1.5-1.8 m. Clumps few culms

90. *Aristida*

Eng. & covering hard open ground on ridges. Nest, reclining.

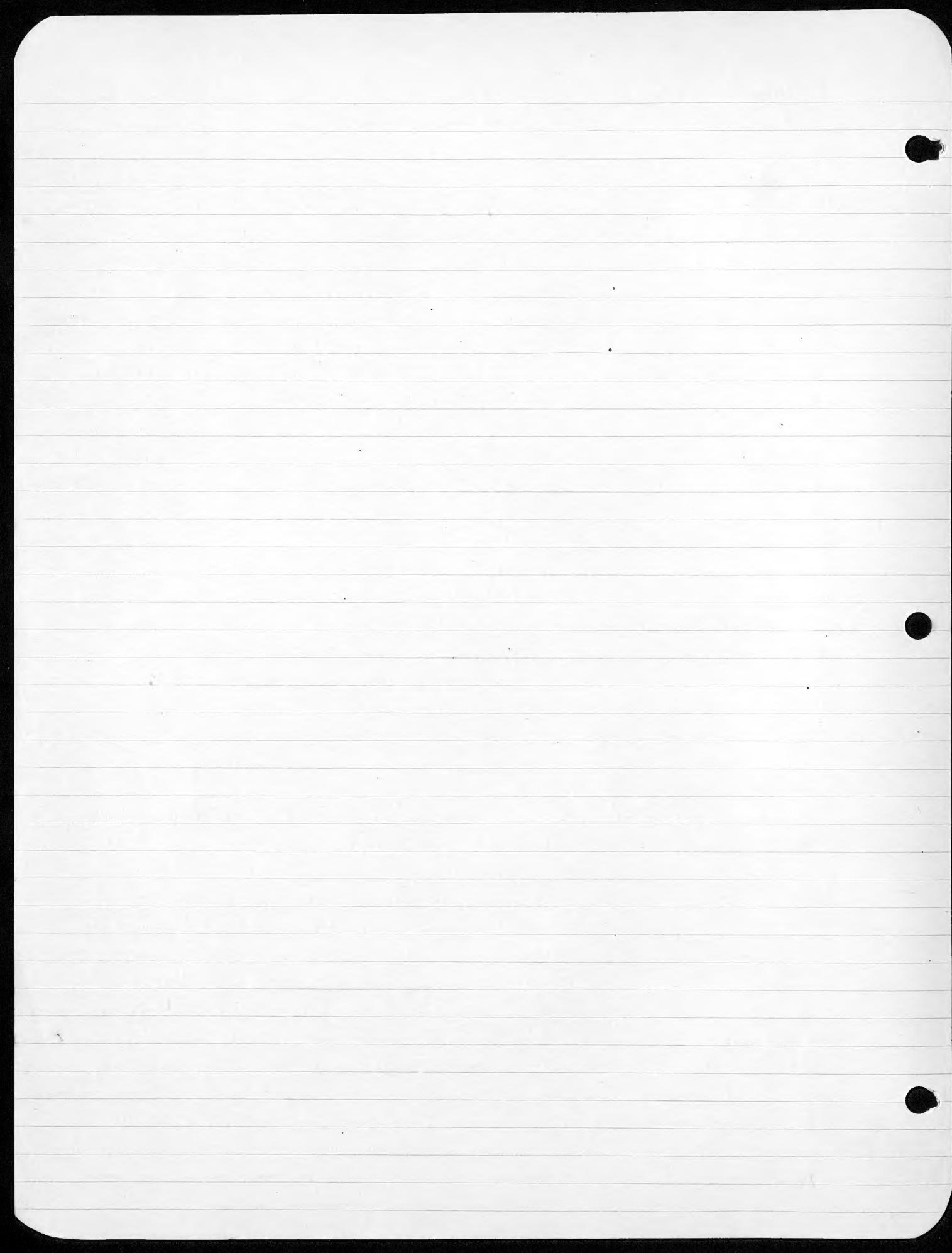
94. *Heliosperma* *coeruleum*

D. on weathered granite hills of coast, & on creek flats in St. thin.

97. *Aristida*

Principal grass on poor sandy flats, thinly interspersed with bushes.

60-70 cm. Tufts of few natural culms.



Portland Roads

Savanna grass

Edges

18951. *Limnodea*
81. *Fimbristylis*
85. *Typhus*
86.
93. *Tekaria*
96. *Gladium*

One lift, Brookwood St of granite ridges. 30cm.
VA. on wet leather flats. 40-70cm. Soft, fibly.
Prog. wet-sandy soil " " 10-20cm. Pale green
" " " " " 20cm.
Prog. edges gallery woods (flooded ground) 1m.
On poor sandy flats thinly covered with Golen. 1-60cm.

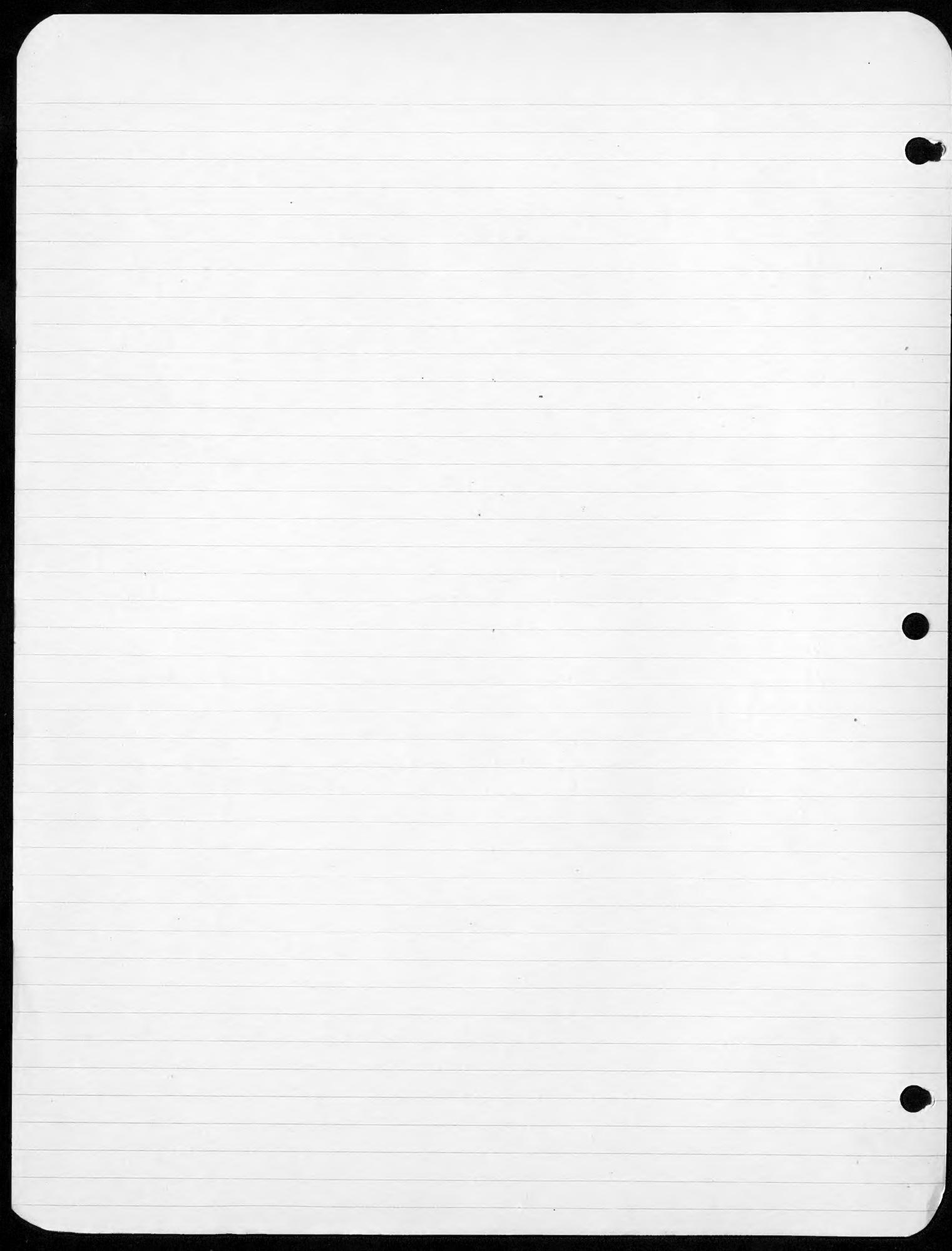
Grasses cont.

18958.
19002. *Eragrostis*
04. *Anthoxanthum odorata*.
06.
07. *Panicum*
32. *Polygonum*?

Mishon ephemeral prg. on thin, windblown leather flats. 30-70cm.
C. sandy soil. Few weak culms to 100cm. long.
Prog. locally on sandy flats behind beach. 80-100cm. Few weak culms.
A. sandy granite ridges. 60-70cm.
Covering parts of a sandy leather flat. 50-70cm.
Prog. locally in St. Justin. 1.5-2m. In thick, hanging leaf sheaths.

Trees cont.

19000. *Phalaenopsis* Linn. var. F. Goy St. stony granite ridges. 8-10m x 10-15cm. Fls. pale gr.
Brown, stiff, grey-gr. Bark lamellate, grey fibrous.



1811. ± 100 m - 120 m.

Portland Roads

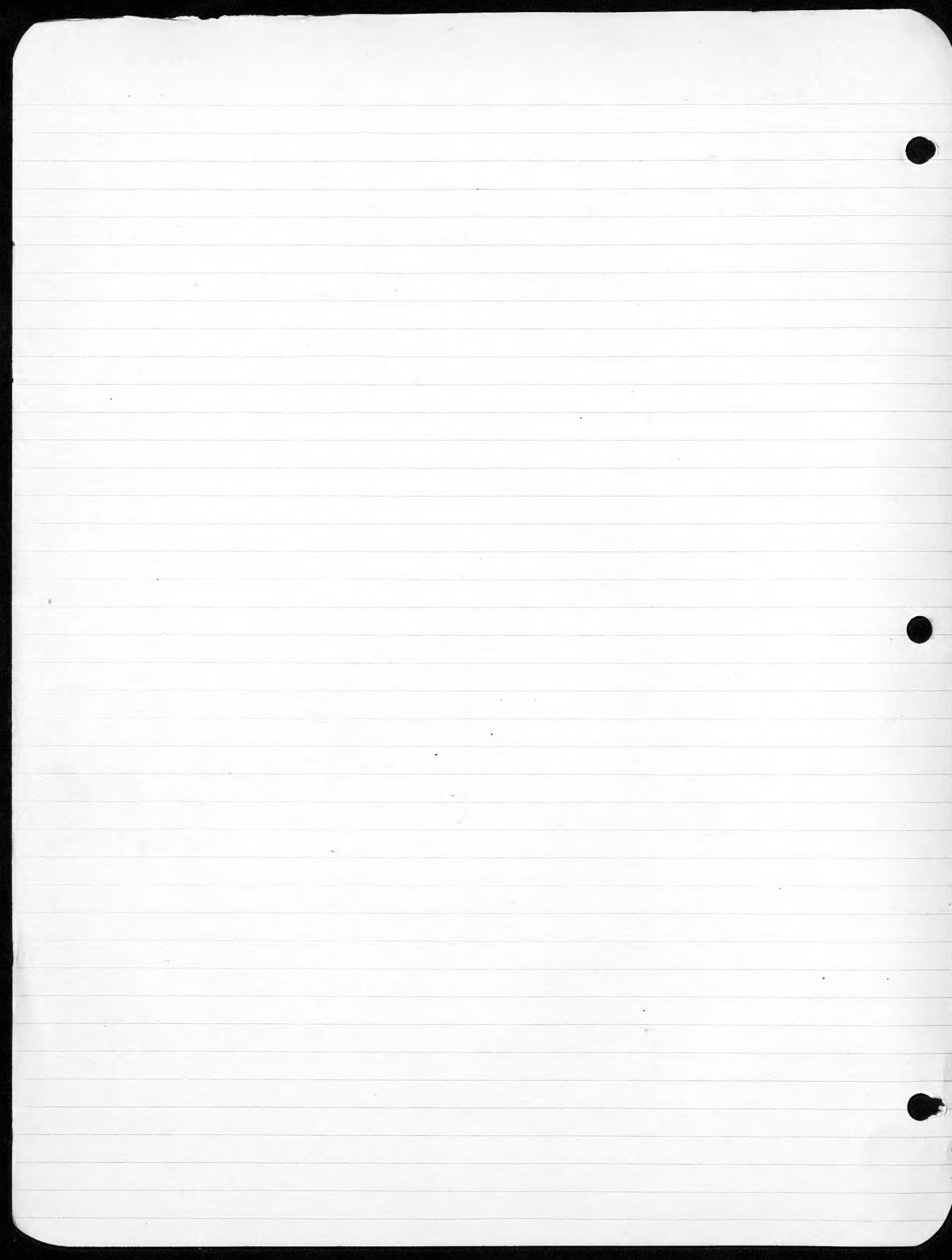
± Open rocky slopes of Western Hills

Wooded places

18941. *Leptospermum fabricii*. Scattered on ^{grass} granite cross exposed to S.E. Wind. Thub. 1-2 m. Fls. yellow.
143. *Santalum* One example. Tree 4 m. Fls. yellow.
144. *Smilax glauca* P. granite hillsides. Tree 3-5 m. Fls. wh. Young leaves
glossy, old leaves dry.
19009. *Teucrium*. V.P. on grassy almost treeless hills. Thub 1-2 m. Leaves greyish

Grasses & herbs

18936. *Cotula* S. among grass on granite slopes. 20-25 cm. Fls. yellow
37. *Teucrium* C. " " " vine. 80 cm. Fls. yellow
38. *Curcuma* F. " " " 60-70 cm. Fls. yellow.
39. *Trif.* F. " " " 30-50 cm. Wh. or bluish fls.
40. *Rub.* C. granite slopes. Thubs, reclining
42. *Ardisia* crowded under rocks. 25 cm.
45. *Prim.* Herb. on thin granite patches. 3-5 cm. Fls. cream.
46. ? D. on treeless granite hills of coast.
94. *Hordeum contortum*.



Iron Range Twp.

Rain forest, flood plains

Rain forest, high ground

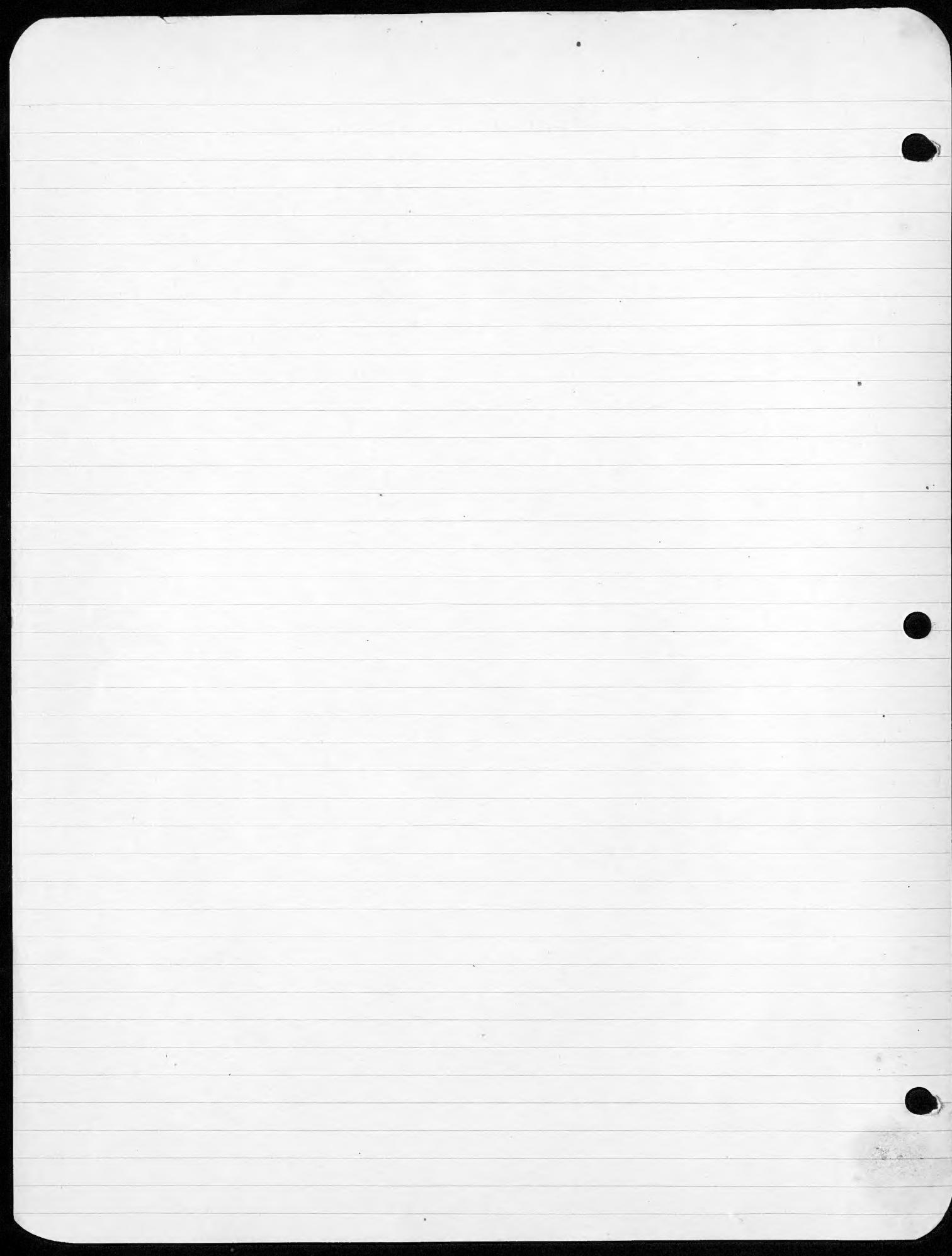
Rain forest regrowth

Rain forest marginal communities

Savanna forest

Turkey bush

Water plains



Ivan Range

alt. ± 20 m.
River plains, & banks of
feeder streams.

Rain forest - flood plain

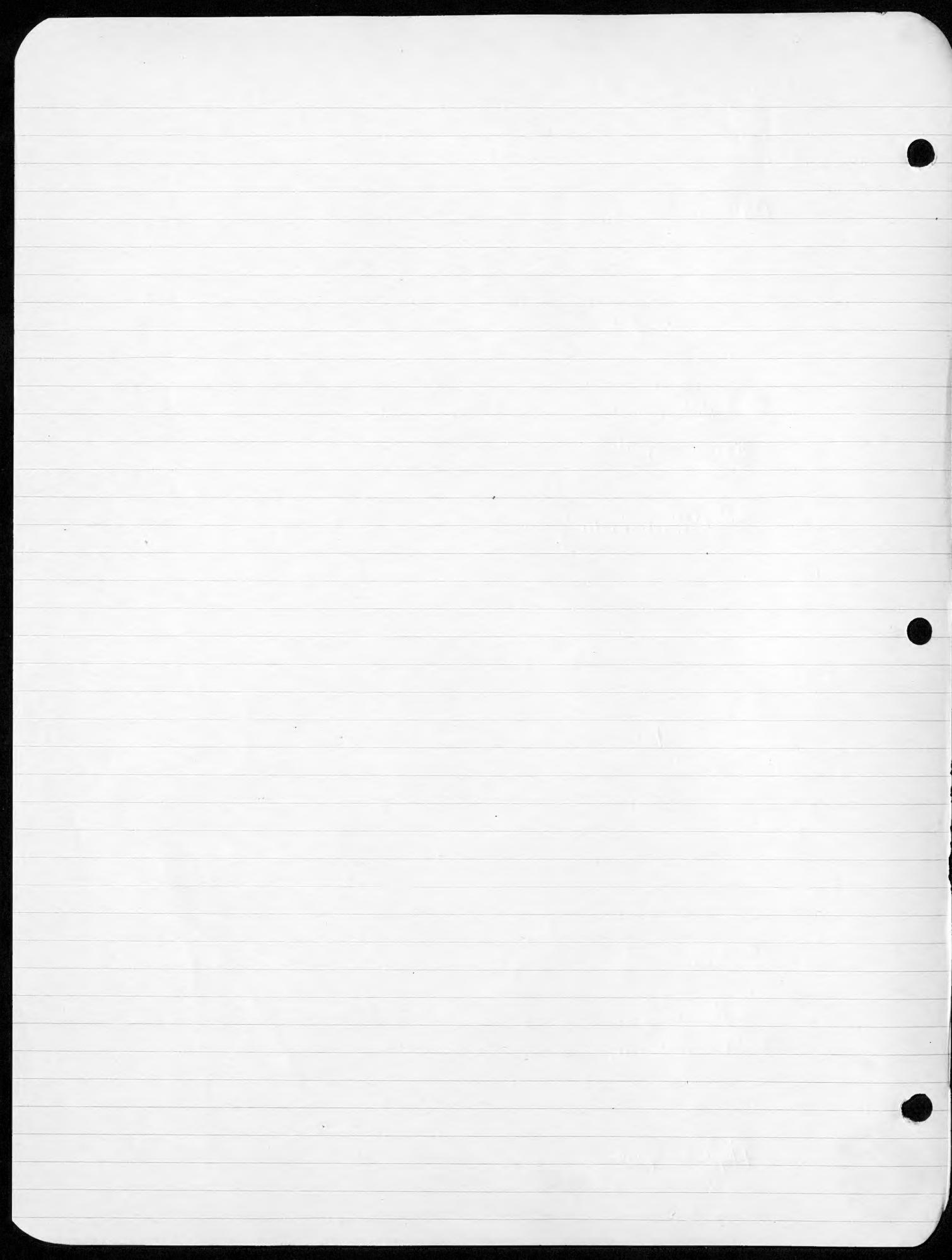
Trees

19048. *Myrsinaceae* O. 10-12 m. Fl. yellow. Fl: ?
19109. *Parax?* F. Bamby tree to 30 m x 40 cm. Bright pinkish.
11. *Tupul*: C. lower tree of canopy layer, ± 30 m x 30 m. Fl. wh. Fl: unripe
14. *Rub*: O. 20-25 m x 20-25 m. Fl. buds only. Red fruit eaten by natives
15. *Physicia insipida* F. 2nd. story tree 20-30 m x up to 30 cm. Bark reddish br.
Lower stems. below. Fl. ? Fl: unripe.
16. *Metilia* F in not steep
19157. *Pithecellobium* (Chamissoi) F (lower ridges also) to 30 m x up to 60 cm. Fl. wh. Fl: ?
88. *Bromelia* *Aglaia argentea* Substage 10 m. Fl. ? Fl: black.
19302. *Burseraceae*: O. sap milky. 12-14 m x 12-15 cm. Trunk to 80 cm. Fl. ? Fl: unripe
04. *Leguminosae* 25 m x 30 cm. Fl. ? Stem uneven with ridges & depressions.
19653. *Flagellaria medicinaria* C. 15 m x 25 cm. Fl. wh. Fl: ? Blooms br. bark. Young shoots
protected by large br. wh. bracts.
59. *Garcinia* F to 20 m x 35 cm. Fl. buds only.

19068. *Pandanus* *macranthus* S. floodbanks of streams. 6-8 m. Stiff pinkish-orange bracts. Fls. wh.

Woody undergrowth

19045. *Monst.* T. 1.5 m. One unbranched stem.
47. *Gracilera* ^{lanceolate} 80 cm. Fls. pale purple-pink. Leaf tips much recurved.
53. *Myrsin?* Tree 1-2 m. Fl. ? Fl: unripe.
54. *Physiacarpum* O. 1.5-2 m. Fl. ? Fl: red, fleshy, lobately compound
19108. *Thespesia* ^{lanceolata} Tree 5 m. Fl. white.
10. *Pithecellobium* Shrub 2 m. Fl. wh. Fl: ?
19255. *Bambusa* Booming thickets on flood plain & lower ridges. 10-12 m. Fl. pale.
56. " Probably a young post-flowering stage of 19255.
65. *Physiacarpum* ^{grossa} Tree 3 m. Fl. ? Fl: red, fleshy.
15303. *Rubi* ^{little fiction (?)} P. in u.g. Tree or shrub 2-3 m. Fl. wh.
17. *Lunaria annua*. C. on floodplain (0. in yellow). Shrub about 2-3 m. Fl. wh. Tapet
shiny leaves



From Range

Rain forest - flood plain

Vines

19055. *Calamus*

19112. ?

19279. *Thyrsocarpus*

19279. ?

P. on higher part of floodplain. Scandent or scandent 2-10 m. Trunks

Vine 20 m. Th. white. fl. ?

20 m. or more (also on ridges). Th. ? Taff. fls. yellow fl. ?
Forest fringe forest. 5 m. Th. green. fl. ?Epiphytes & parasites

19041. Fern.

O. low on tree. Leaves fleshy, iridescent above.

42. *Hymenophyllum*.

O. - - - 2 cm. Small mats.

44. Fern.

O. low, climbing.

49. *Hypolepis* riedei

C. nest epiphyte. Leaves 80-110 cm.

57. *Millaria*

Small masses. Pendent. L. 2-3-0 m.

19113. *Hymenophyllum*.

Mats on lower tree trunks & roots. 1.5 m. (flabellum 21.).

17

2 hepatic

Mosses - hepatic

19050. Moss

Living bark of tree.

51. Hep.

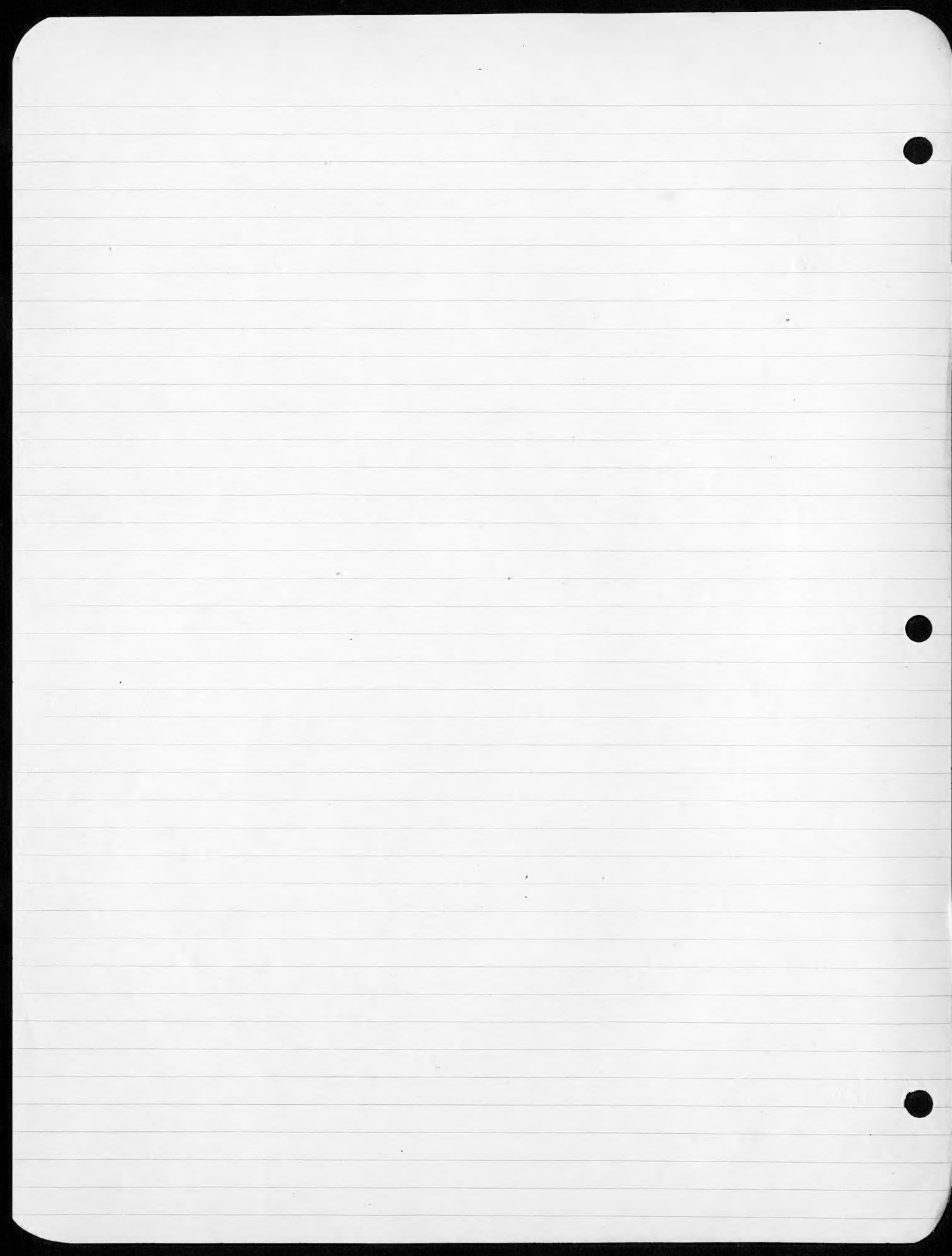
Decaying log.

52. "

" Decaying log. This & 19051 the most A. frigidae.

61. Moss.

Dead bark of tree.



Ivan Range

Rain forest - flood plain

Moody undergrowth cont.

19034. *Pitcairnia*

O. shrub 1.5-2 m. Fls. cream. Bl: ?

Fernaceous undergrowth

19037. *Erythronium*

38. Tram.

39. "

40. *Adiantum*

56. *Phis*?

59. *Goodia*?

68. Tub.

O. 50-70 cm. Rhizome short, ascending.

S. ascending 40-70 cm. Flebly culms

O. ascending 30-50 cm.

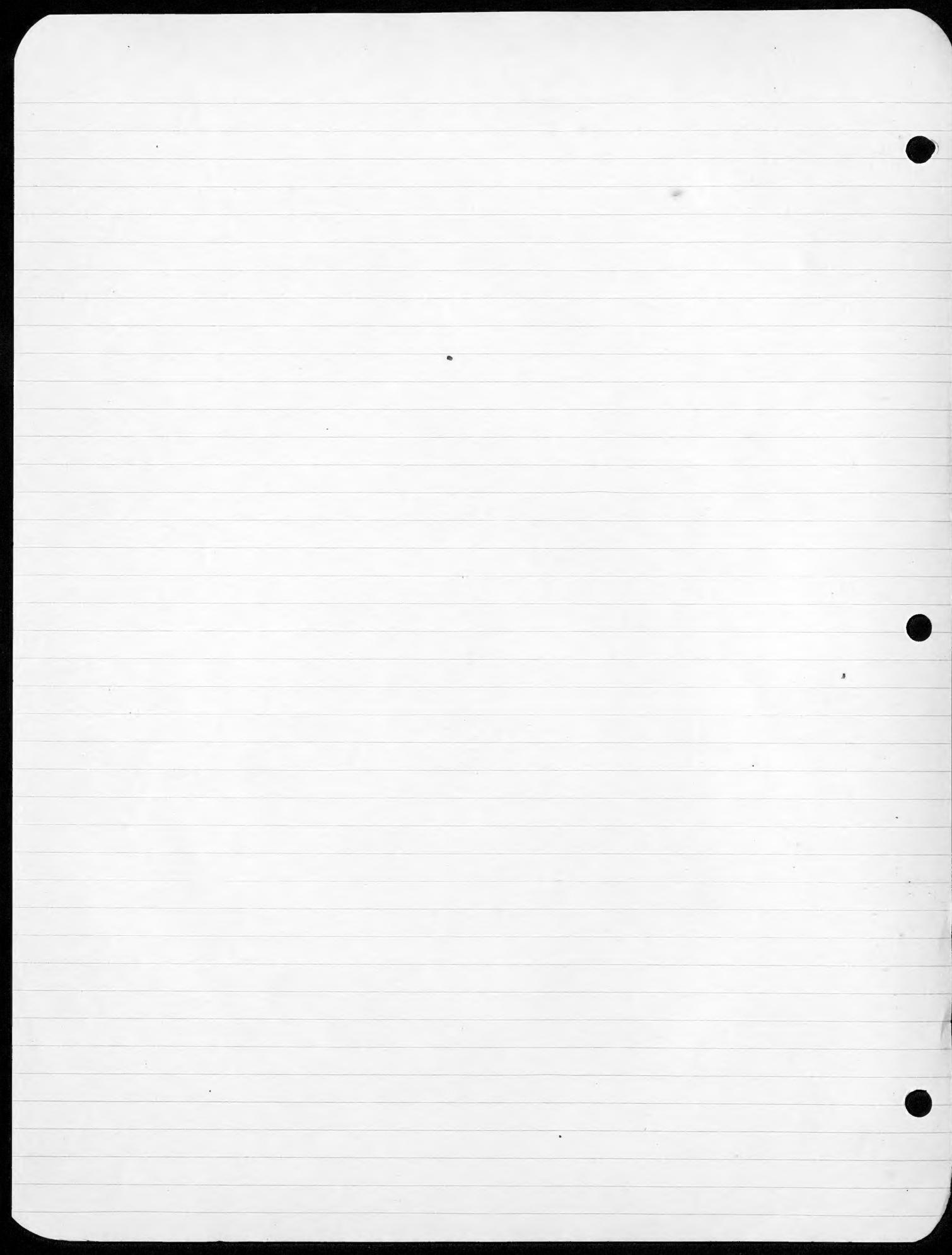
F. steep leamy banks of streams 40-70 cm.

S. 25-30 cm. (Lockettei also).

O. banks of streams 30-35 cm.

Ascending 80 cm. Fls. lavender.

17



Ivan Range

Rain forest - high ground

Trees, canopy

18124. *Prot. Macadamia*

Tower ridges. 25 m x 85 cm. Abundant cream fls. Fl.?

Thick, flaky - scaly tree bark.

179. *Terminalia*

Tower ridges. 20 m x 85 cm. Fls. ? Fl. purple. Thick grey bark.

52. *Almon*.

" " " 40-50 cm. Fls. ? Fl. green, aromatic "

58. ?

Ridges. 20-25 m x up to 30 cm. Fls. salmon-pink. Fl. green

19200. *Sapot*.

" 25 m x 85 cm. Fls. ? Soft pink. Bark grey, fissured

68. ?

Ridges in NW. 50 m tall: 25 m x 95 cm. Fls. cream. Fl. white

Bark grey, hard, longitudinally fissured. Wood yellow, smelling like raw bacon.

94. *Bolaphyllum*

Ridges. 25 m x 80 cm. Fls. wh. Fl.?

98. *Castanoppermum australe*. One of the commonest canopy trees in the n. forest. Up to 25 m x 40 cm. Fls. red-orange. Bark. Inf. leaves on smaller branches.

19300. ?

Tower ridges. 25 m x 85 cm. Fls. cream. Inflorescences orange. Fl. ?

Trees, subcanopy

19066. *Nauclea*?

Tree 20 m x 20 cm. Fl. purple. Rough black bark.

70. *Morin*.

Substage 1a, ridge P.F. 12 m x 15 cm. Fls. green

19116. *Holisia glabrescens*

F. in substage. 15-18 m x 12-15 cm. Fls. whitish (pink in bud).

19224. *Lipem*.

Gully P.F. 12 m x 25 cm. Fls. ? Red pink, green

57. *Hymenophyllum Billbergioides*

Ridges. 20 m x 20 cm. Fl. white. Fl.

57. *Blérodendron*

" 20 m x 18 cm. Fls. ? Fl. white, says no.

66. *Mischocarpus* sp. nov.

" NW. 20 m x 25 cm. Fls. gr. Fl.?

76. *Stockidea*

Gully P.F. 7 m x 25 cm. Fls. sp.:

82. ?

F. substage. 6-10 m. Fls. gr. Fl. gr.

84. ?

Ridges. 15 m x 20 cm. Fls. ? Fl. orange-yellow, soft, fibrous

97. *Litsea Leptoclada*

Ridges. 20 m x 25 cm. Fls. green. Fl.?

19293. *Pandanus brasilianus* C. in hollows & gullies. 10-12 m. Tong peripods. see notes

19267. *Licuala ramsayi* P. locally in gullies. Fan palm to 10 m.

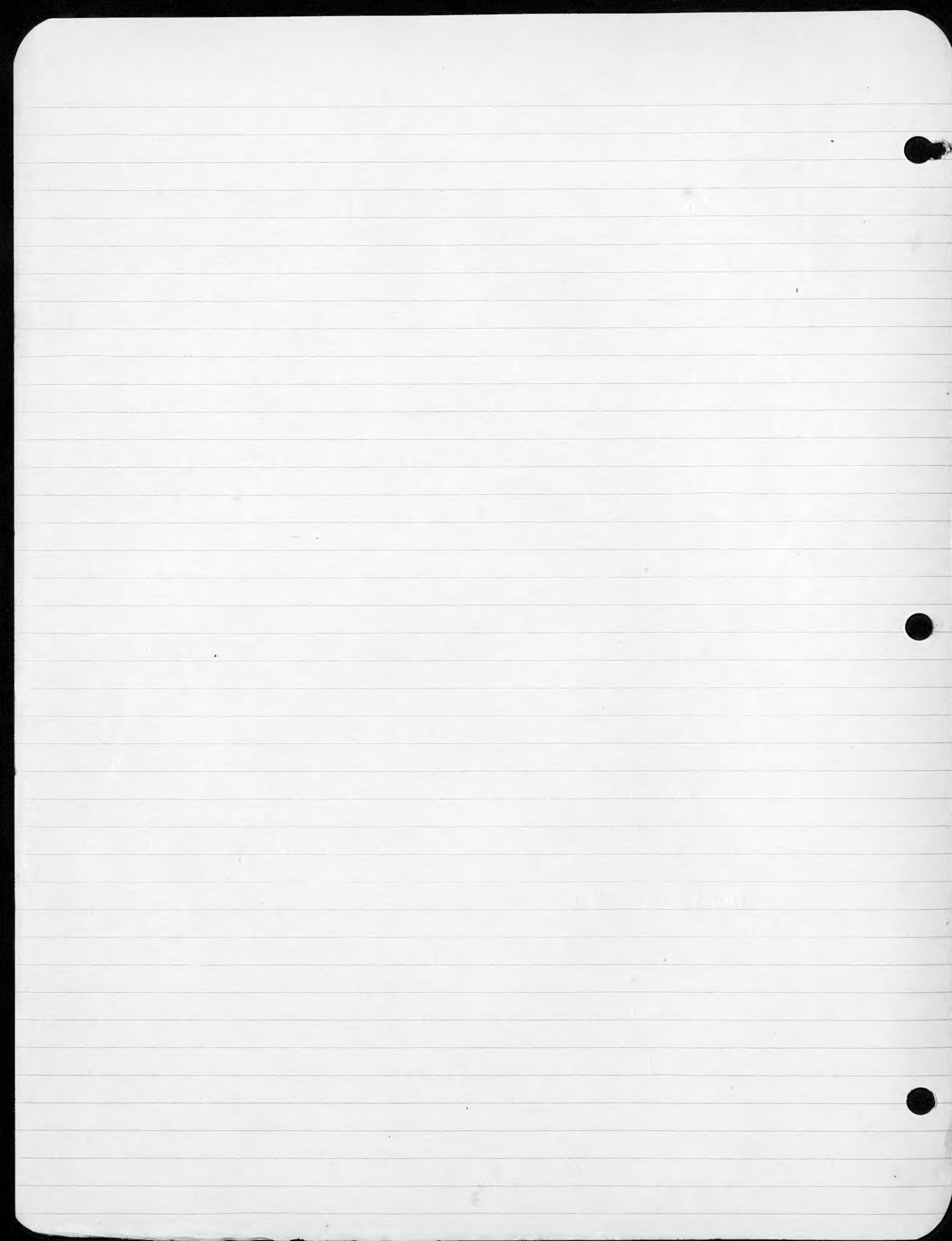
19071. *Palm. Pycchosperma* P. on ridges. 5-7 m, 10 cm: arching palm leaves to 180 cm. Fl. red.

19139. *Archontophoenix alexandrae* Edge of Gordon's Pk. 16 m. Large fan-like leaves sp.

19207. *Grevillea costata* P.R. in wet bottoms of ravines in hill forest. Up to 35 m.

50. *Palm.* - Local M. Pk. 150 m. Clumps to 16 m. Branches

Myrsinaceous wood anachoreta



Ivan Range

Pine forest - high ground

Woody undergrowth

19096. Monnier. Shrub 1.5 m. Fl. red.

19118. Tigrigium Mespil 2 m. Fl. ? Fl. green

19. Rub. Mespil 2 m. Fl. ? Fl. orange-yellow.

21. Sapind. *Scaphium angustifolium* O: tree 3-4 m. Fl. ? Leaves 0.70 cm long. Fl. red. rh. Rh. Prot.

19144. Litm. Tree 6 m. Fl. green.

65. Bocana O. ± 1 m. Fl. purplish wh. Stem simple. Leaves ± glauc. folia

16. Doodia *Thelypteris* English forest of ridges. 6 m. (tree). Fl. ? Fl.

91. Loparia F. in open situations. Shrub 1-2 m. Stem simple. Fl. wh.

18 very vivacious climbing plant.

19208. Rub. moist ravine in hill forest. Shrub 1 m. Fl. wh. Fl. wh.

11. Pavetta English forest of ridges. Tree 6 m. Fl. wh.

17. Arai. O. ridge 18. Shrub 1 m.

36. ? *Fernaria brownii* Tree 5 m. Fl. ? Fl. deciduous.

55. Bamboo. moist ground (mostly flood plains). 10-12 m. (See. Bul. p. 113).

56. : Probably a young non-flowering stage of 19256.

64. ? *Phytolacca* C. in gullies of ridges 14 W. Tree 5-6 m. Fl. gr. yell. Fl. ?

77. Ficus Tree 6 m. Fl. buds only. (Mimosaceae ?).

Herbaceous undergrowth

19072. Turp. Open sandy bank of a stream. Prostrate. Fl. purplish-white

73. Kit. " " " 30-50 cm. Fl. wh. with dark br. anthers

74. Evans " " " ± 60 cm. Ascending.

75. Doodia C. sleek sandy banks. 30-40 cm.

19117. Pring. Eng. locally on flats. 4-5 m. Red fl. with underground canopy.

22. *Tokeinochitosa* ? 3 m. Prostrate.

47. Bocana 50 cm. Fl. wh. veined purple

48. *Tetrapanax* F. orangeish fern. seldom fruiting

50. *Branthemum* F. " " " 20-30 cm. Fl. wh. dotted purple.

51. Ficus P. locally " " " 40-60 cm. Dimorphic.

Vines

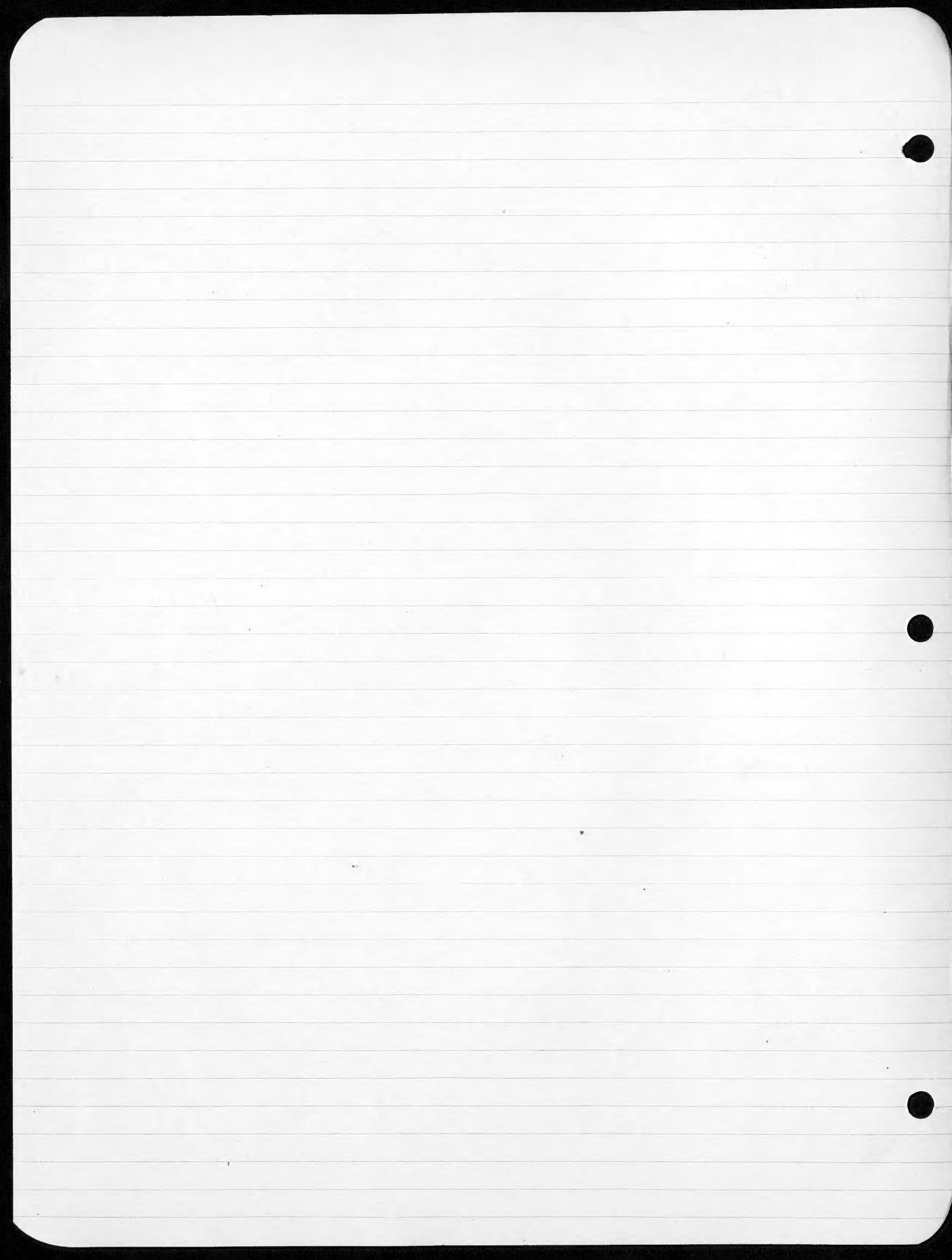
19141. Trop. Climber ridges. 10 m. Fl. wh.

42. Uncaria " " 15 m. Fl. ? Fl. green

43. *Trenguianus* F. " " (8 flood plains). Height 20 m. Fl. ? Fl. yellow, sp. fls. 5.

19212. *Lindesya* ? Climbing at 1 m. in a wet ravine.

95. *Grapholita* F. climbing high on tops of canopy trees - to 30 m. Fl. ? Trop. orange



Ivan Range

Rain forest - high ground.

Woody undergrowth cont.

19281. *Manitoua*

O. Lower ridges. Tree 5-8 m. Young leaves pink, very conspicuous in the forest

99. *Tecelyne*

F. in primary forest. Tree 4-7 m. Fl. ? Fl. orange

19301. *Microstoma quadratum*

O. tree 5-6 m. Fls. wh. Fl. orange

21. *Rub.*

Flowering a shrub in an open glade. Shrub 2-3 m. Fls. wh. Fl. orange

29. *Bartsia*

C. Banks of streams. Trailing stems 6-7 m. Fl. blue only.

30. *Rub.*

Banks .. " Shrub 1 m. Fls. wh. = Fl. ?

Epiphytes & parasites cont.

19296. *Vittaria* C. Large clumps high on trees. Branches to 80 cm.

19322. *Dendrobieum undulatum*. F. high up high. Clumps 50-100 cm. Trunked 300-400 ft. fl.

19652. *Bartramia*. Large sp. Fls. red.

56 "

40 cm. Encaps. yellow-gr. fls.

57. *Molothrix*

On a tree. 50 cm. Fls. gr. Fl. green, waxy.

Vines

19326. *Freyssinia insignis*? A. in ravines. Very large fl. 20-25 m. Leaves to 100 cm. Fls. pink.

27. *Piper*

F. .. " Climbing shrub to 10 m. Fl. br-orange. Pleasant

28. *Freyssinia*

O. Banks of stream. Climbing & climbing to 10 m. Leaves small. Fls. pink.

Large trees

19331. *Monnieria*.

10 m x 15 cm. Fls. gr. yellow. Fl. unripe. Stiff, often toothed leaves.

19658. ?

15 m x 12 cm. Fls. green. Fl. ?

66. *Banisteria*?

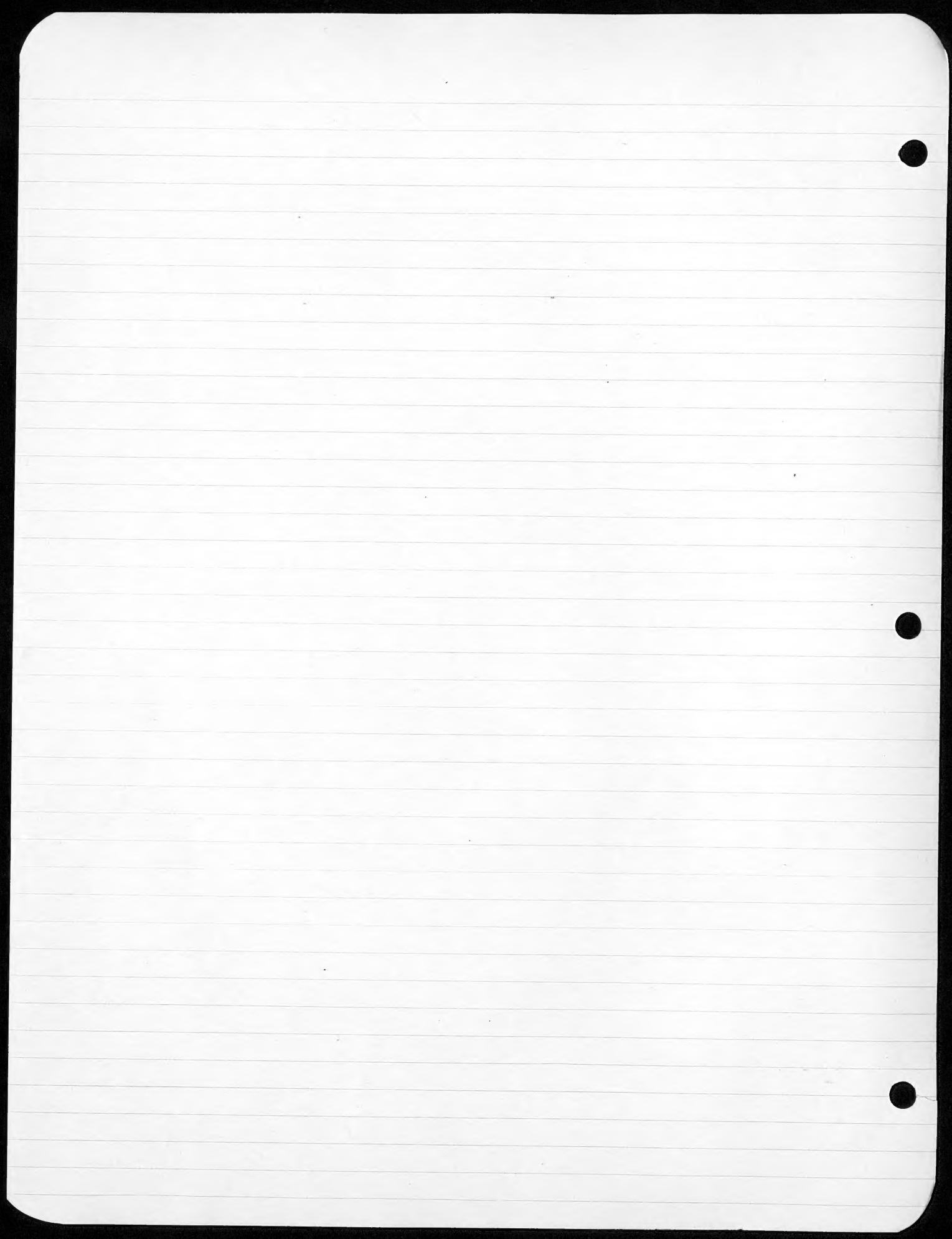
12 m x 15 cm. Fl. blue. Fl. 2 lobed.

19309. *Pandanus* off *Pandanus insignis*. ^{h. m.} O. in gullies. 12-14 m. ^{Very} large sh. with thick stem, branched crown, & many long, prickly stiff roots.

10. *Palm.*

F. 4-7 m. Stem 1, slender. Unopened species only (broken by rats?)

Psychotria *capitata* - Tarkin



Iron Range

Rain forest - high ground

Epiphytes & parasites

19153. Fern.

- 37. *Cyathophorus*.
- 60. Moss.
- 89. *Cyathophorus*
- 97. *Horaninia*
- 19246. *Cyathophorus*
- 617. "
- 57. *Orth.*
- 52. *Asplenium* off. *nidus*
- 75. *Bulbophyllum*.

Mid & high levels. Rhiz. scandent. fronds leaves \pm 1 m. Shrub leaves 25 cm.

High epiphyte. Leaves very thick & fleshy.

High "

" " Leaves smooth, shiny, 4-10 cm. long.

Pl. red, yellow & purple.

Tch. M: This (30 m.). to 30 cm. Leaves stiff, grayish below. "

" " 9 cm. Leaves thick, fleshy.

F. low on tree. Pl. - smooth gr. & red.

Mean ground on ridges. ^{Tough} Epiphyte: Leaves to 100 cm. long.

Low in gallery forest. Pl. on ground. Leaves & stems red.

Herbaceous undergrowth, cont.

- 19193. *Leptaspis*
- 19209. *Utricularia*
- 10. *Thlaspiostachyum*?
- 16. Fern.
- 34. *Dryopteris*
- 35. *Brachythecium*
- 80. *Veronicastrum*
- 85. *Balanophora*
- 88. *Lycopodium*
- 90. Fern
- 19317. Fern.
- 23. *Balanophora*.

Eng. in small groups on ridges. to 60 cm. Thickets pink.

F on banks of streams in ravines. Shrub leaves 10-20 cm. long.

Engulfed in wet bottom " \pm 1 m. Mats bluish - gray.

O. on banks of a stream in a deep ravine. 80-100 cm.

Banks of a stream. \pm 1 m.

20-35 cm. Pl. wh. Leaves grayish below.

Thin forest - a ground flooded in wet season. 80-150 cm. Large clumps.

Scattered colonies, bef. flooded ground. Yellow. ^{Horaninia?} See 19201

O. in openings. 70-100 cm. Stems usually 1, rare.

F in open parts on ridges. 30-50 cm.

Eng. in openings. Turbans leafs 30-80 cm.

Monocot. Big shrubby clgs.

Vines

- 19249. *Balanus*.
- 53. *Dioscorea*
- 79. "
- 91. *Bomph.*

P. on hills. To 80 m. Pl. purple.

Hills 150 m. (M: tree). 20 m. Pl. yellow; streaked & flushed purple inside.

Tree forming in forest. \approx ^{2m.} Pl. green. fls.?

O. to 15 m. (\approx H?). Pl. pinkish - wh.

Mosses

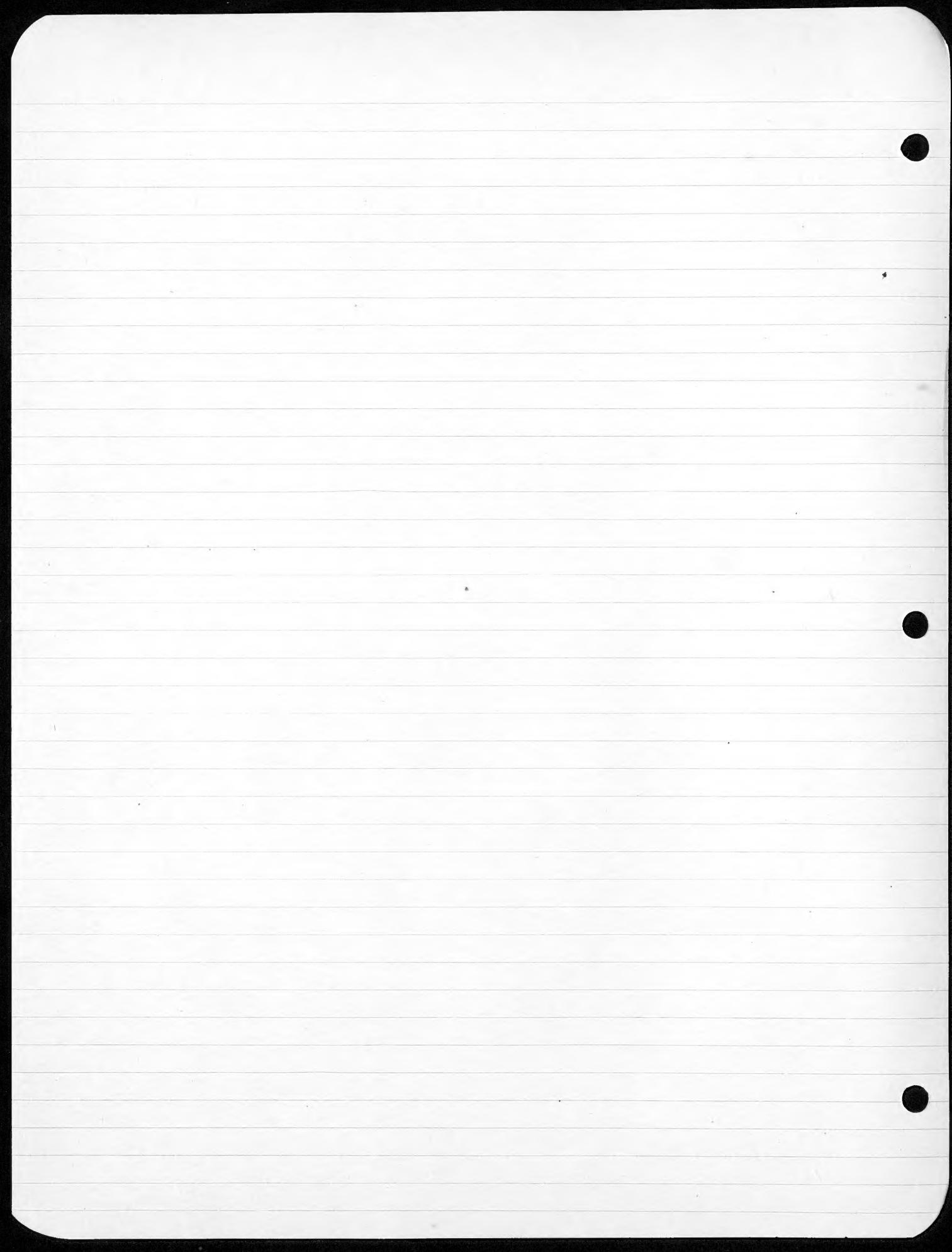
- 19204.
- 5
- 14.
- 58.

Decaying wood on ground.

C. lower tree trunks

Banking rocks & logs in a moist ravine

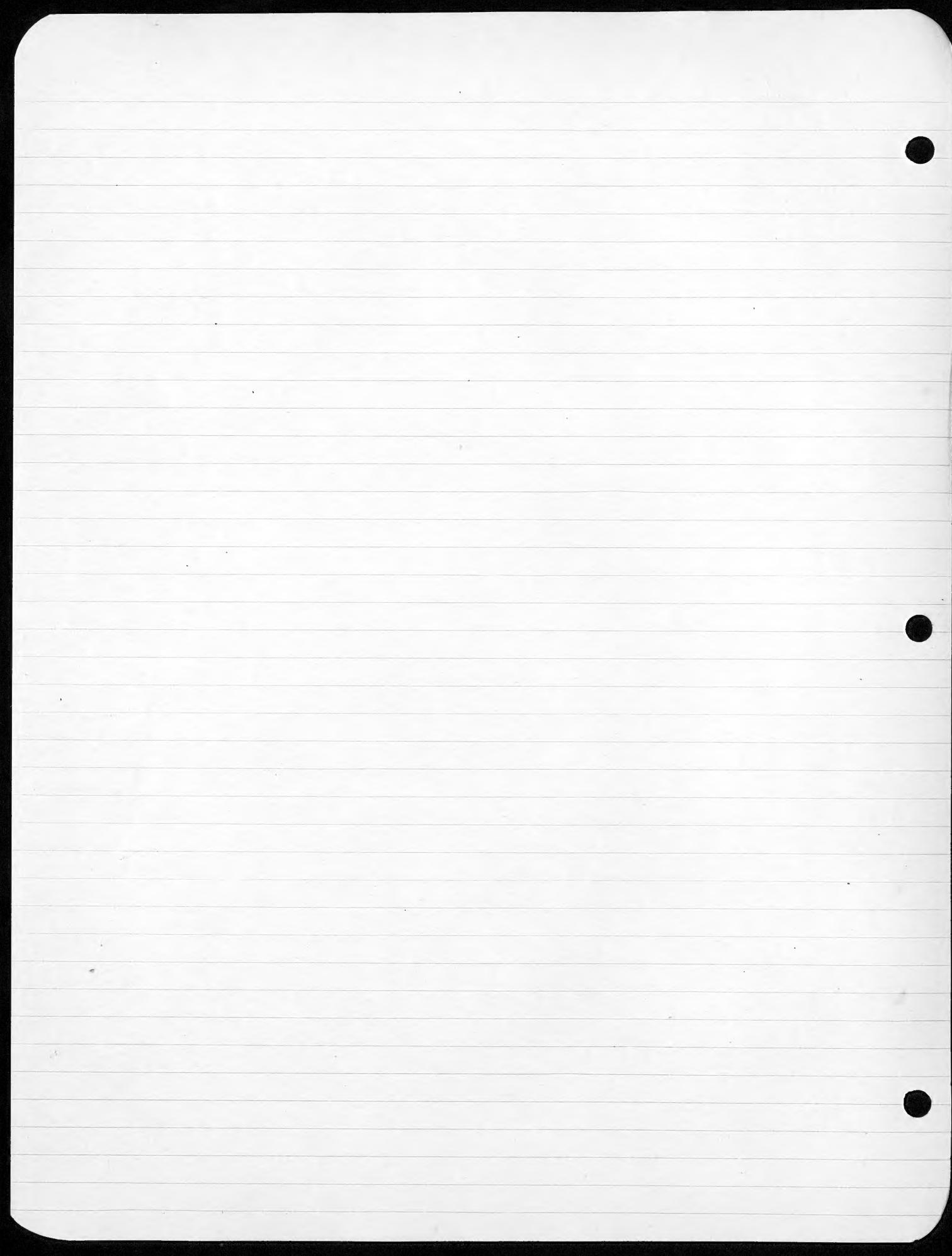
Lower tree trunks in P. P.



Iron Range

Pain forest regrowth

19120. *Solanum*. Tree 10 m. Th. purple. Fl. ? 211. 20 m.
19153. *Brugmansia* F tree 6-8 m. Fls. ? Fl. red. Young leaves coppery red.
58. *Morinda* Tree 6 m. Th. green. Fl. yellow-gold, 10 fl.
19184. *Hristotrichia* Vine 2 m. Th. blackish purple.
95. *Musella beckeri* C. up to 10 m. (also in forest margin). Fl. green.
98. *Commersonia* A. characensis tree up to 15 m. Fl. wh.
19243. *Brom*. Dense growths up to 150 m. 80-100 m.
44. *Bodomia viscosa*. 200 of Mt. She. (180 m.) Tree 5 m.
45. *Facult*. " " Vine 3 m. Fl. wh. Fl. purple.
48. *Macaranga*. 1000 80 m. ascending. Fl. green.
92. *Tournefortia* Prostrate shrub 2 m. Fl. br.-wh.
19311. *Musa*. F in Bush. growth. 3-5 m. x 10-15 cm.
15. *Macaranga*. F " " Tree 5-7 m. Fl. green.
16. *Panicum*. Scrambling 6 3-4 m.



Iron Range

Rain forest marginal communities

Trees

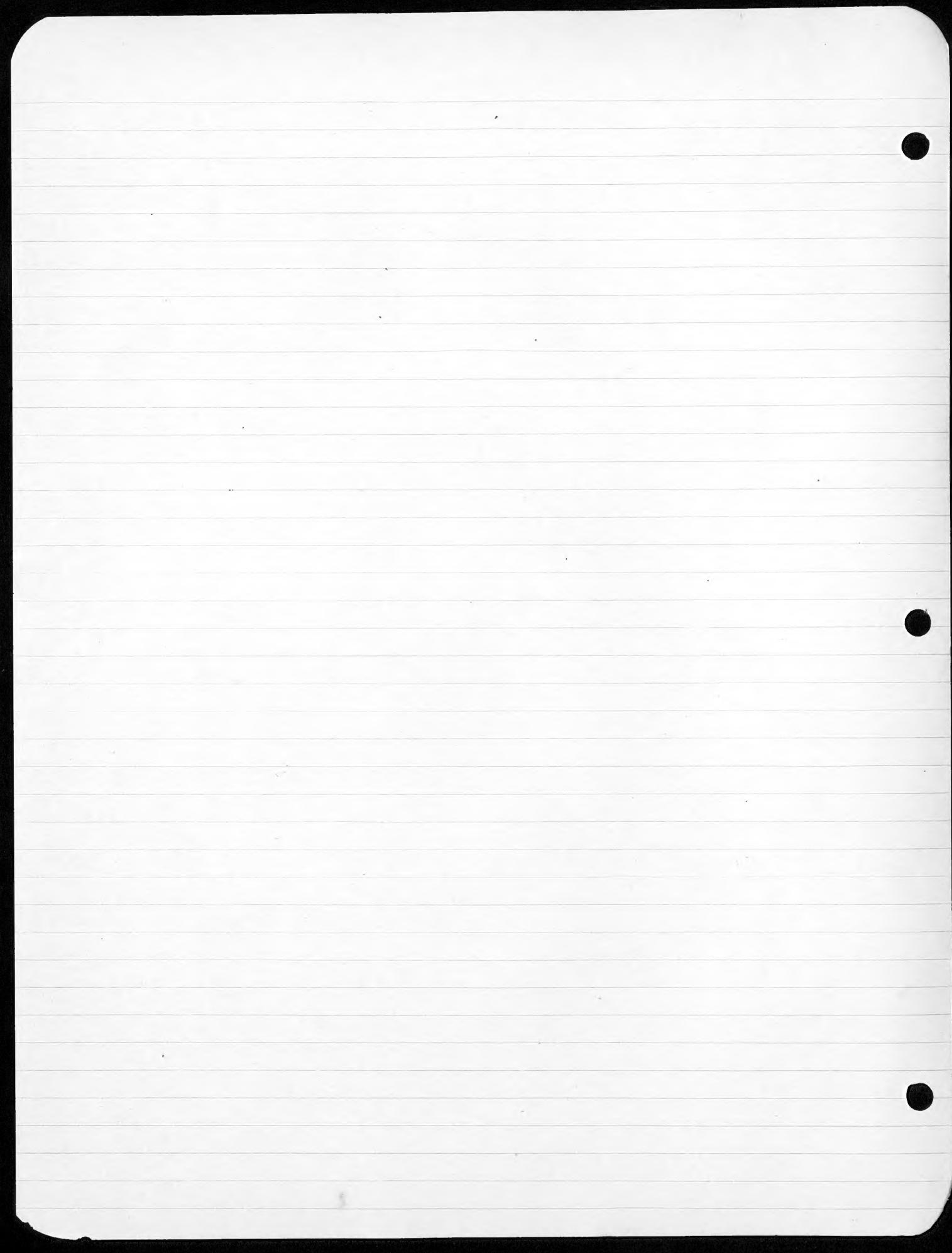
19060. *Mezia*? tree 10 m x 15 cm. Fl. wh. (Stems on Savanna forest) Fin edges. 4-25 m. x up to 30 cm. Fl. wh. Fl. 45 cm. long. English edge of gully fl. 15 m. x 15 cm. Fl. ? Fl. 15 cm. dia. 19180. *Obilstonia* 96. ?
19332. *Timonius Rumphii* Margins of dry forest. 10 m x 20 cm. Fl. wh. Dark rough bark.

Shrubs

~~19105.~~ *Pandanus*? Leaves scarios. Thorny wh. fl. 1-2 m. tall. (Ridges) 19221. *Rub.* Edge of forest (dry). Shrub 1 m. Fl. wh. Fl. ? 93. *Carica* F 2-3 m. Fl. yellow. Leaves punctate below. 19333. *Phedoniasia* C. locally in bushy edges. 2-3 m. Fl. ? Fl. white.

Herbs

19064. *Galtinia*. 0. large clumps ± 1 m. Fl. unripe. Leaves glauc. below. 19156. *Oplismenus* C. locally. 20-80 cm. 19219. *Panicum* Eng. in margins of dryish forest. 40-50 cm. 80. ? (*Pisonia*?). Grouped in semi-shade on gravelly edges of gully forest. Stems. Tol. leaf to 18 cm. wide, flat on ground. C. 30-40 cm. Threaded & ascending. 19314. *Arce*. 0. in open edges. 20 cm. Flower yellowish - wh. 18. *Oplismenus* Eng. in margins. 40-60 cm. Ascending. 20. *Desmodium* Eng. in gravelly edges. 1 m. Fl. purple. 23. *Peltanophaea* Monocious. Dry gravelly edges gully forest. 12 cm. high. 24. *Fim*. Open edges. 120 cm. 31. *Hymenoph.* Torrifying moist rocks in ravine. ± 1 cm.



Ivan Range

Rain forest marginal communities

Vines

19065. Tinos

67. Tinos

19182. ?

90. *Rheeklebeckia*

19238. 28604p.

39. Tinos.

68. *Canavalia*

78. *Canavalia*

F. 3-4 m. Fl. green. Fl. red. (Sakura).

3-4 m. Fl. green. Fl. purple (Sapindaceae).

C. up to 15 m. Fl. wh. Fl. purple

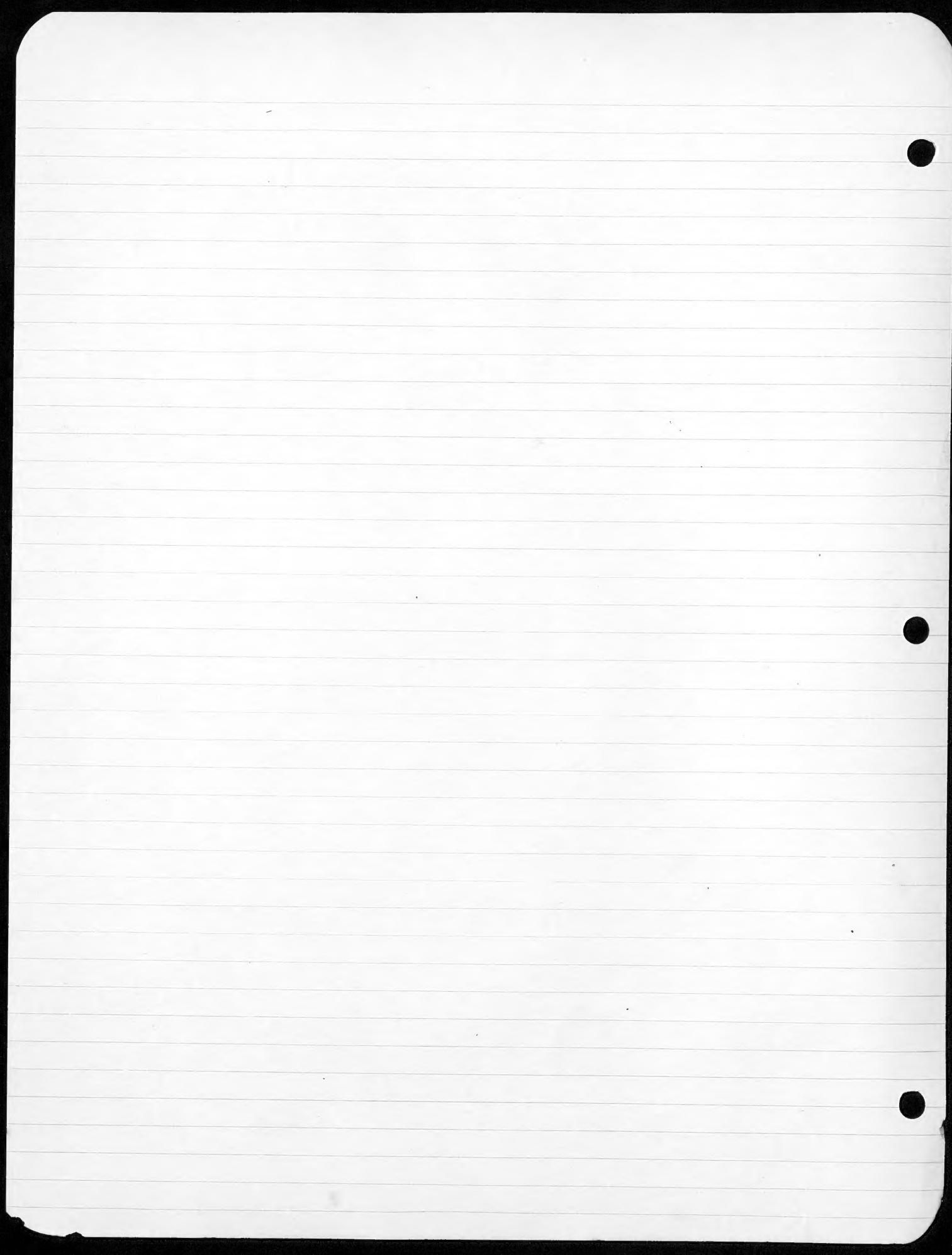
C. (also in saplings) to 10 m. Fl. greenish.

3 m. Green fl.

2 m. Fl. gr-wh. inflated & 5 lobed at base.

F. to 15 m. (climbing). Fl. pale purple. Fl. purple.

Edge of creek fringe forest. Tree 12 m x 30 cm. Bark
only slightly corky.



Ivan Range

Savanna forest

Trees

19046. *Timonius* F. slender tree 5m. Fls. wh. Fls.?

82. *Bauerina* A. with *Melaleuca* sp. on west of a granite ridge 75m. all. 4-6 m. Bark rough. (also in turkey bush).

91. *Melaleuca nymphogynia*? P. with *Bauerina* on infertile granite ridge. 8-10m. Fls. red. x 15-20cm. Bark fibrous, deeply fissured.

95. *Acacia*. A. infertile granite ridges. 5-7m. Flowers strongly perfumed fls. in elongated spikes. Pods?

87. *Acacia*. P. in ST. 5-10m. Rough bark. White & yellow licks. Pods?

99. *Leptospermum fabricii*. A. in granite country on granite ridges. 3-5m. Fls. yellow.

19126. *Alphitonia* F. 8-10m. Leaves very below. Fls. green.

35. *Encalyptos* (Woodwood). Principal trees of ST of ridges. 10-25m. Fls. green.

40. *Xanthostemon crassifolius* (Woodwood). On stony ridges 50m. all: 10-12m x 20-25cm. Fls. orange. Thick soft platy-gray bark.

19201. *Acacia mangium* Woodwood ST of red soil ridges. to 80m x 45cm. Fls. whitish. Leaves & flowers.

03. *Wormia oblonga* F. on ridges. up to 15m x 80cm. Fls. yellow; 3/4 red. Bark reddish-brown shedding in thin papery flakes.

71. *Acacia* F. adjacent to ST (ridges). 10-12m x 15-20cm. Fls. green & yellow.

Shrubs

19060. *Grewia*? Non rain forest; where it is a marginal tree ± 10m. tall.

19125. *Phaeoptelea* A. ± 1m. Fls. purple.

34. *Drimodium* O. on ridges. 1m. Fls. purple.

85. *Aralia*. One example 1.2m. Fls. off.

19202. *Grewia* O. in Woodwood ST of red soil ridges 1m. Fls. ? Fls.?

25. ? Mammata ST of ridges. 40cm. Fls. wh. 10cm yellow. Leaves stiff.

61. *Hibiscus rhodopetalus* O. in Woodwood ST of ridges. 80-100cm. Fls. rose.

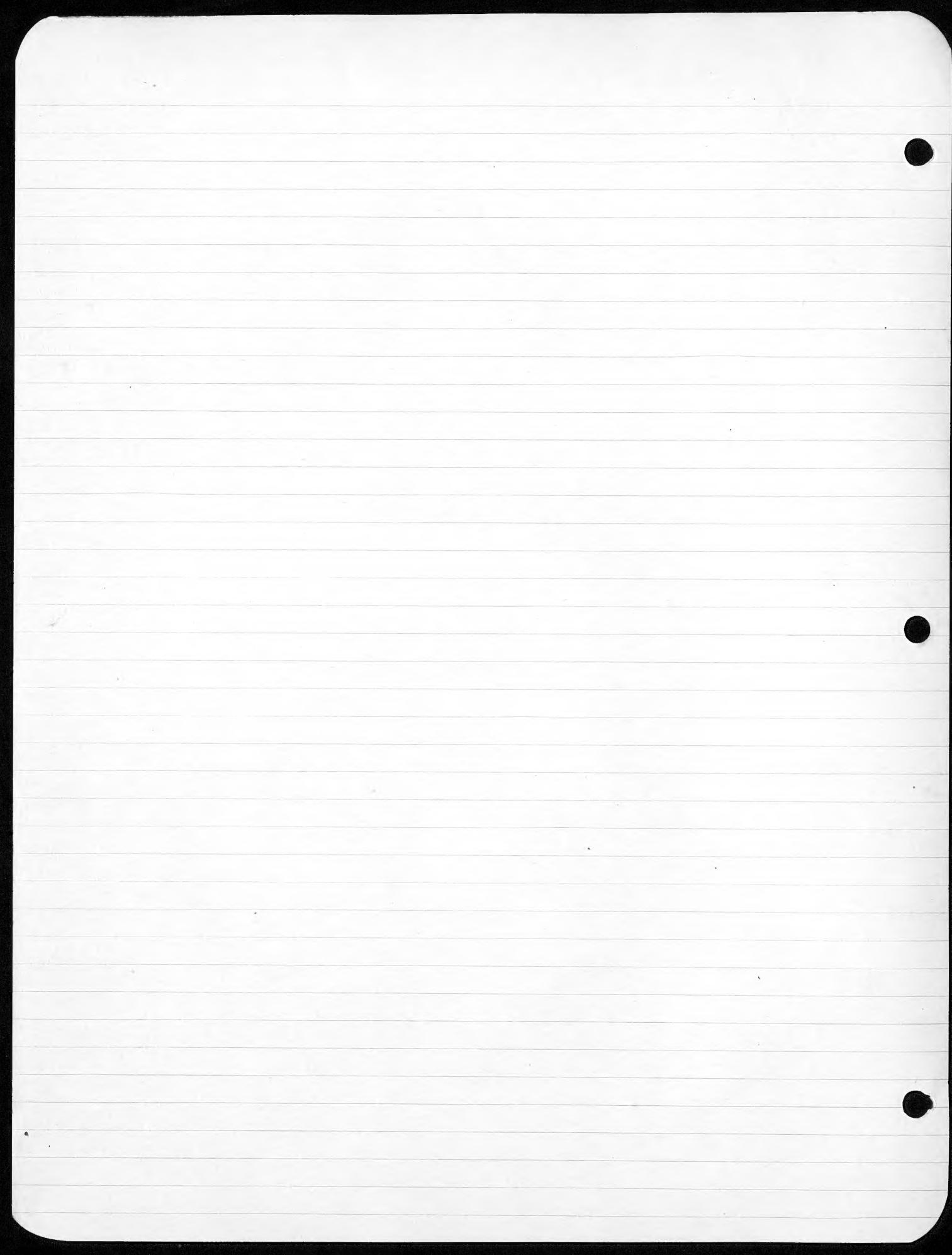
62. *Tephrosia* " " 2.5m. Fls. reddish-purple.

54. *Glossodia* F. in ST adjacent to ST. 2m. Fls. off.

60. *Cyathia* Abundantly scattered & forming thickets adjacent to ST. ± 2m. Fls. black, frag.

61. *Flueggea* F. adjacent to ST. ± 2m. Fls. wh. Fls. wh.

78. *Euphorbia*. O. in grass.



Iron Range

Savanna forest

Grams

19191.

37.

O. stony soil. 20 cm.

A. on an ironstone ^{lode} toad. 60-80 cm.

19227. *Tragopogon*

Muddy bed of a stream. 60-80 cm.

30. *Andropogon*

F. 1-2 m. Clumps of numerous root culms.

Trees, cont.

19274. *Timonius Rumphii*. C. adjacent to R.T. 6-8 m x up to 25 cm. Fls. cream. Bark br. scaly bark.

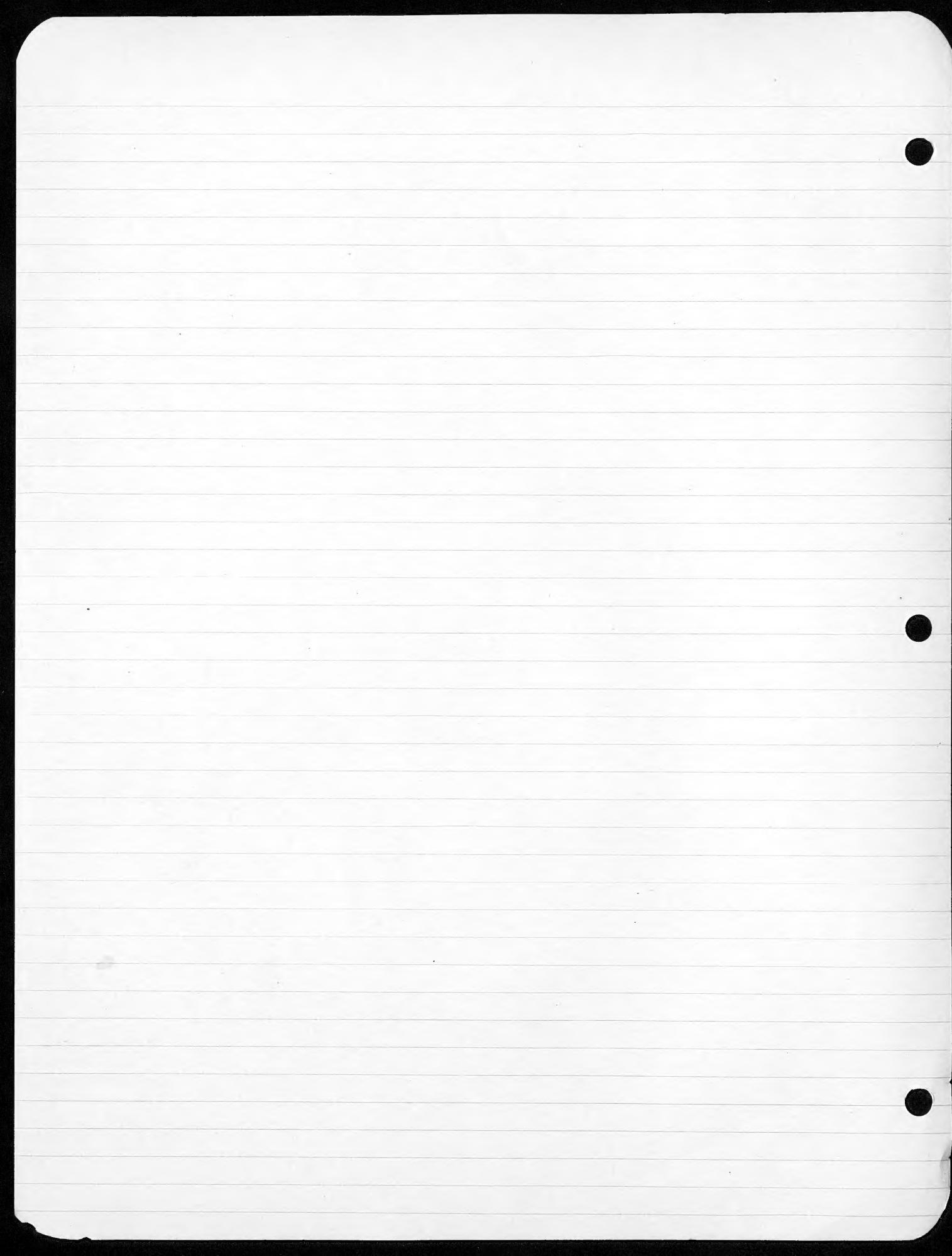
19312. *Pandanus* See label.

Teakwood, or prop. in groves on flats. 5-7 m.

Folys

19228. *Fimbrina*

C. muddy bed of a stream. 20-35 cm.



Iron RangeSavanna forestHerbs

19100. *Gleichenia*.
 07. *Obrectia chinensis*
 27. *Brom.*
 28. *Soridium*
 29. *Brom.*
 30. *Rub.*
 32. *Polygal.*
 33.
 36. *Polygal.*
 38. *Bianella*
 19218. *Isocoma*
 22. *Ascaris*.
 23. *Thermococce*
 26. *Tephry.*
 27. *Polygal.*
 31. *Rub.*
 32. *Rub*
 69. *Polygal.*
 19313. *Brom.*

Erig. in a shrubby gully on ridge 75 m. 30-40 cm. Th. stiff
 stems. long grass. 70-80 cm. Fls. purple.

Erig. locally amongst grasses 20-40 cm.

F. in thin ground cover on stony ridges. Fls. orange.

F. stony ridges. Subprostrate. Fls. blue

F. stony ridges. Tuft 40-80 cm. Fls. purple.

S. " 25-30 cm. Fls. green with orange tips

Scattered " 10-15 cm. Fls. white

O. stony ridges. 15-30 cm. Fls. purple

Erig. locally " 60-100 cm. Fls. blue

Shrubby bottom of a stream. 15-20 cm.

Scandy moist bank of a stream. 15-30 cm. Fls. white. Fls. pink.

C. in mass near Sf. of ridges. 65-50 cm. Fls. lavender.

Shallow muddy soil of a rocky creek bed. 6-20 cm. Fls. purple. white. pink.

C. locally. 25-30 cm. Fls. purple.

Open rocky stream bed. 20-30 cm. Fls. wh.

" " Subprostrate. Fls. wh.

S. granite ridges 60 m. alt. 30-60 cm. Fls. greenish

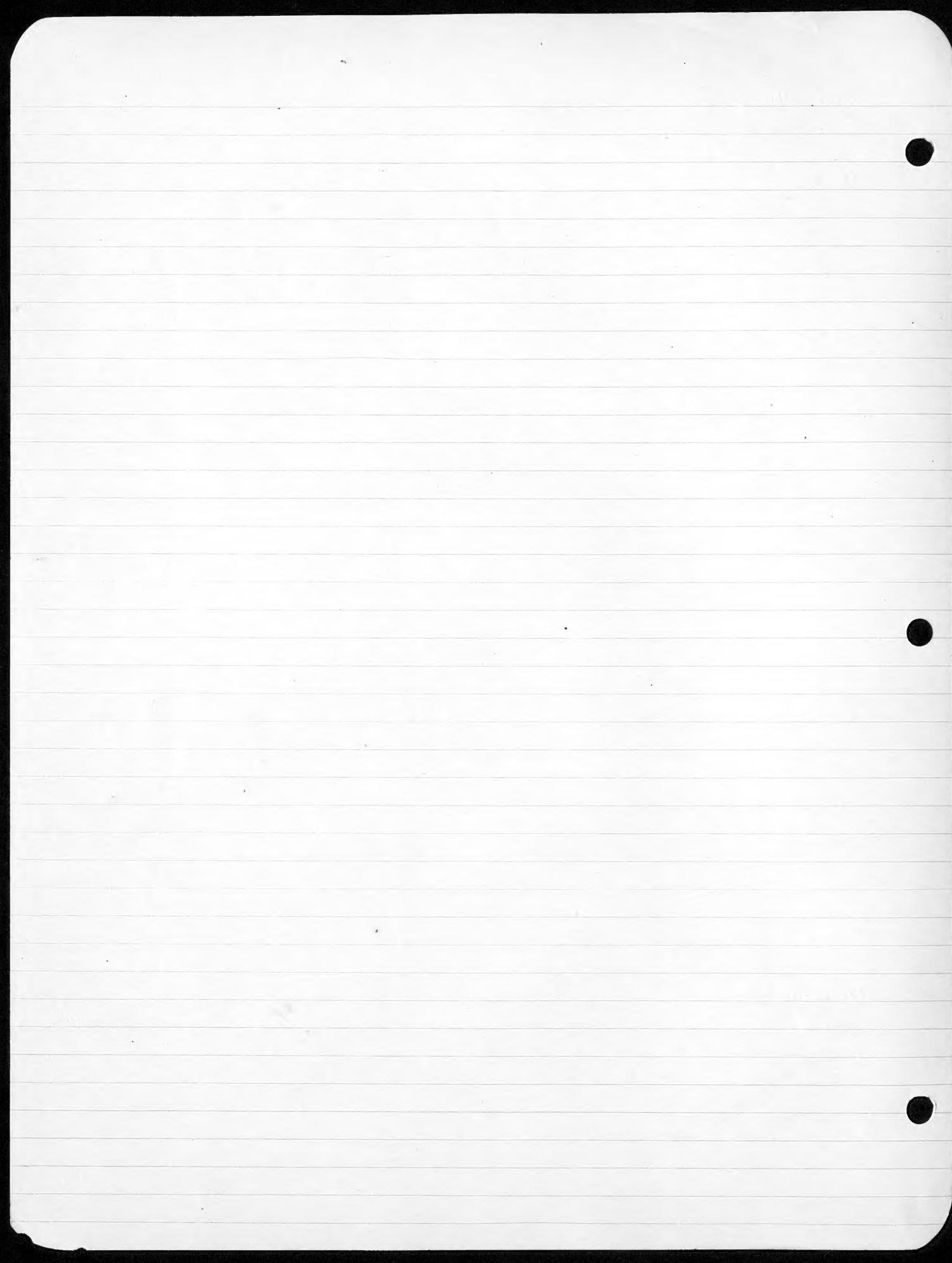
F. in long grass. 30-60 cm.

Epiphytes & parasites

19083. *Viscum*.
 19805. *Myrmecodia*
 75. *Toromilus*.

Parasitic on *Leucaena* sp. Fls. globose, yellowish, 1 mm. dia.

C. on trees 20-30 cm. Fls. wh. Leucaena
 Fls. red & yellow.



Quartz ridge 75 m. a.s.l.

Iron Range

Turkey bush

Trees

19082. *Baumaria*.

91. *Mel. myrsinifolia*?

92. *Tylosporium fabricii*

Tree, rough bark, 4-6 m. (in nearly savanna.

small tree. fls. red. " "

93. *B. in granitic community*. Fls. yellow.

Shrubs

19084. *Tantalea*.

85. *Sodomea*

86. *Jacksonia*

87. *Hibbertia Banksii*?

88. *Gompholobium*

89. like *Eucanthium*

90. *Xanthorrhoea*

98. *Morinda rotundata*

19101. *Obione*

94. *Mesacacia*

19272. *Euphorbia*.

79. ~~fls.~~

5. on infertile quartz ridge. 1m. Fls.-yellow.

9. with *Baumaria* & *Melaleuca* ... 1.5-3 m. (in a shrub).

P. in shrubby growths; quartz ridge. 2-3 m. Branchy branched & usually flat-topped. Fls. purplish-pink.

Forming small thickets. 1-2 m. Leaves broad. Fls.-yellow.

9. 40-60 cm. Fls.-yellow

Shrub. Fls. yellow.

18 major element. Up to 2 m. total height. Old fls. spikes.

S. 40-50 cm. Branches wh. above, greenish below. Often called "Turkey bush bushes." This & *Xanthorrhoea* the principal elements of shrubby communities on infertile quartz ridges. Fls. white.

9. with *Obione* & *Xanthorrhoea*. 75-150 cm. Branches much compressed. Fls. white. Fls. yellow & glaucous.

9. in *Obione* shrub. Bushy, 30-60 cm. Fls. orange-yellow. fls.

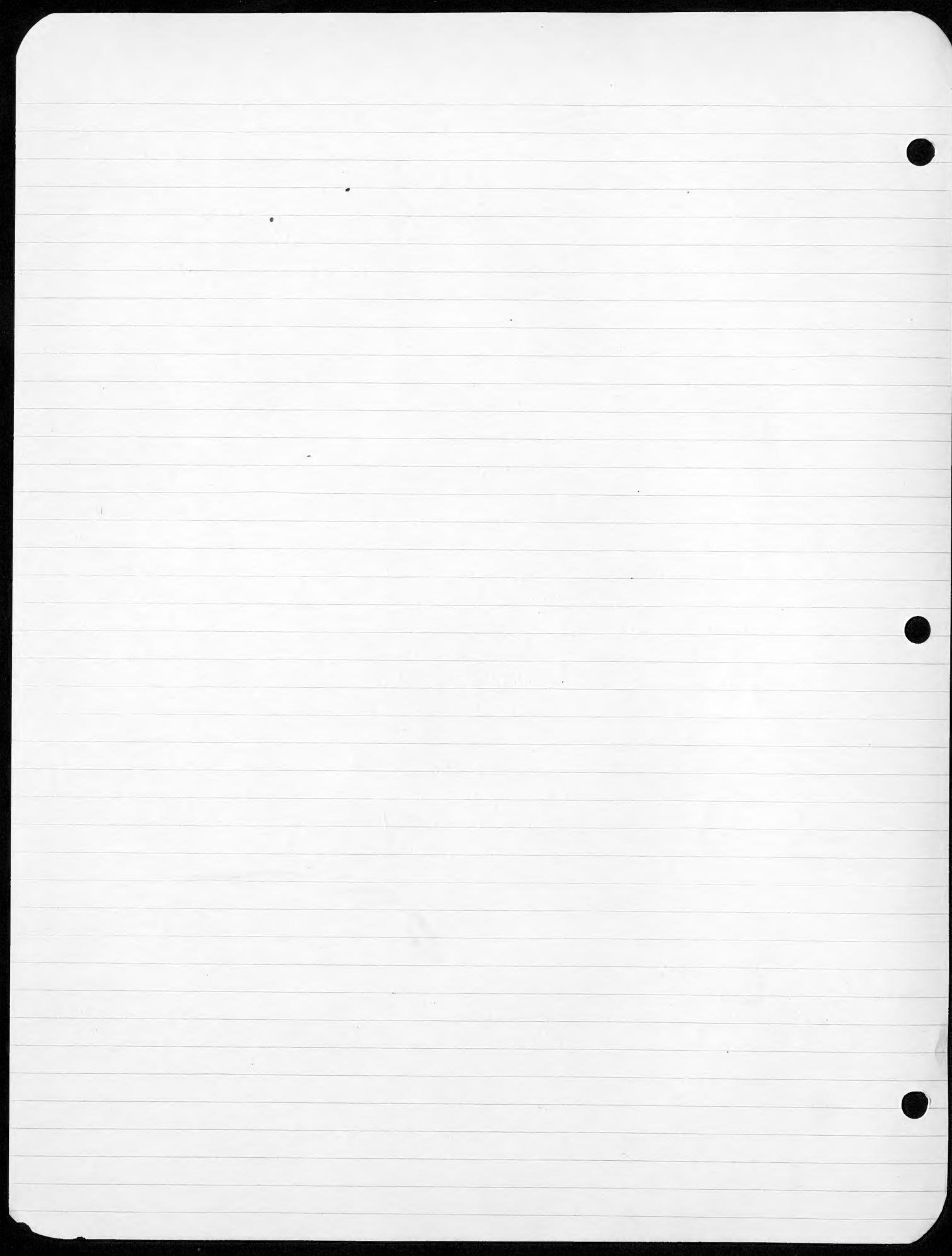
Herbs

19092. *Pritchardia*.

93. *Spermacoce*?

S. amongst shrubs & *Xanthorrhoea* on infertile quartz ridge. Pink.

P. ... " " " 80-100 cm. Fls. violet.



Iron Range

Turkey bush

Gramineae

18088. Aristida

19270. Enneapogon

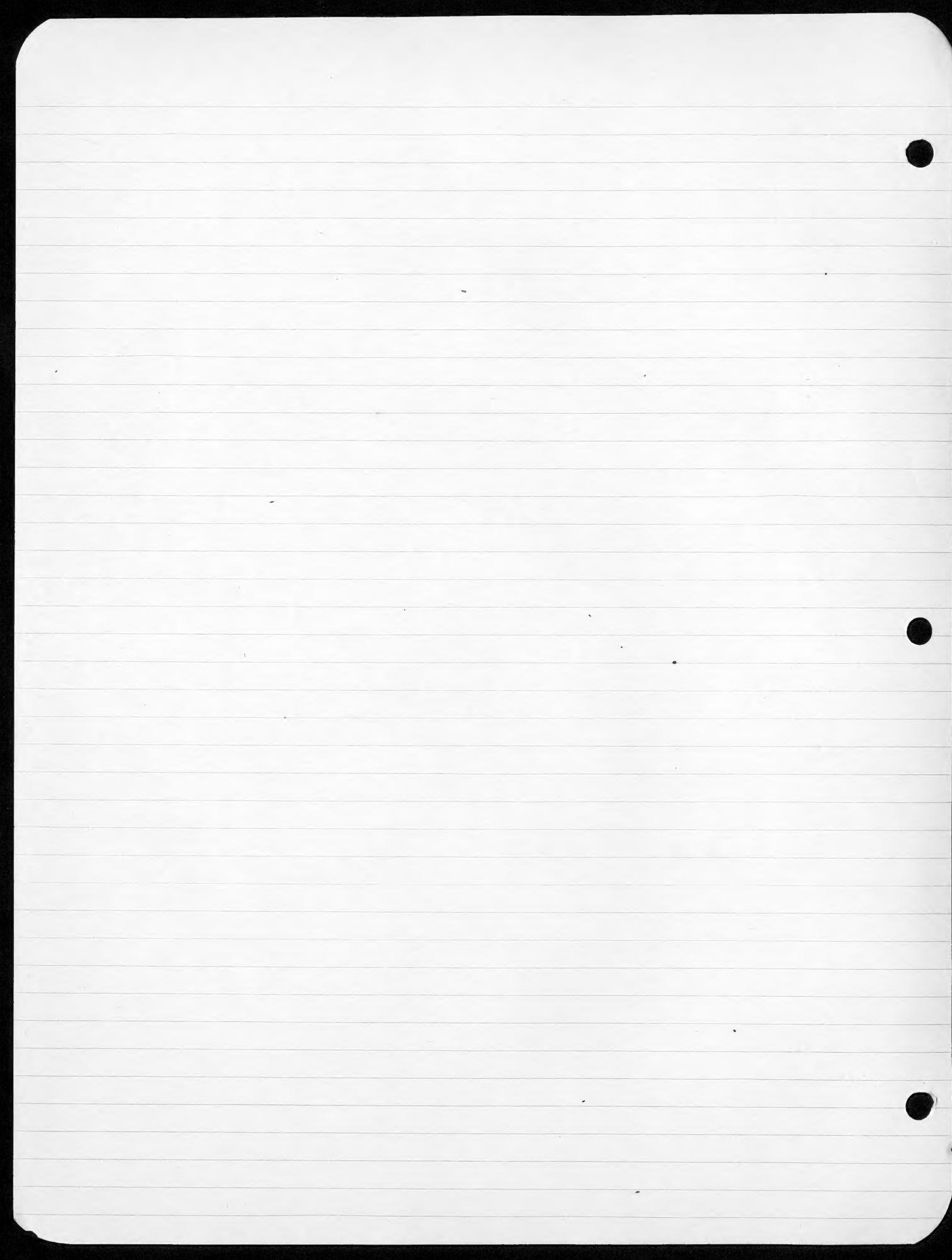
C. on infertile granite ridge. Large open clumps 2-50 cm.

2 " " " 20-80 cm.

Parasitic

19103. Bongha.

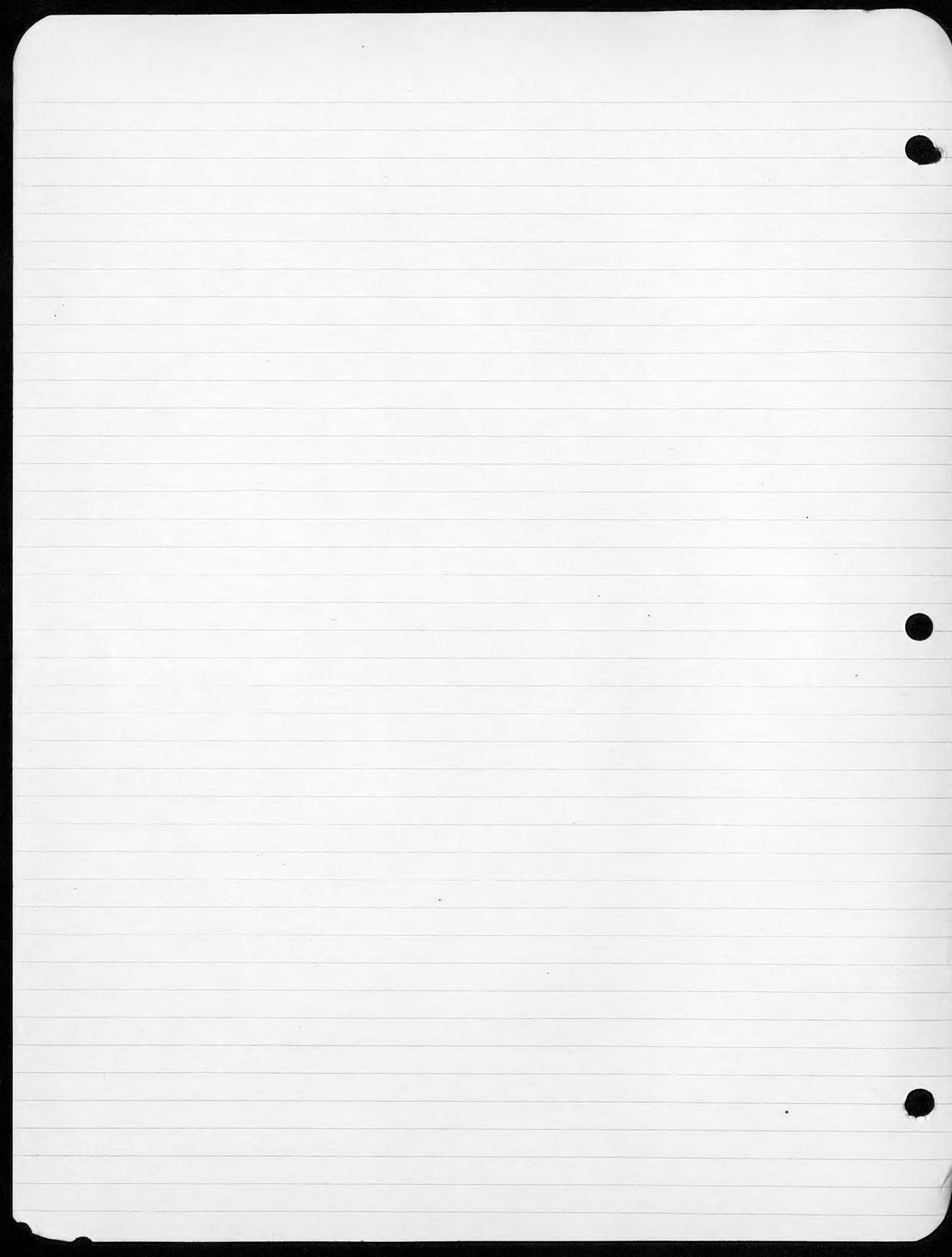
On shrubs. Fls-yellow.



Ernest Range

Water plants

19076. *Hydrocharis*. In a still pool in a rain forest stream. St. - green.
 77 ? Submerged in a quiet sunny pool in R.F. stream. Green
 78. *Nicella Tandori* Braun. " " " " " Green
 79. *Phana gymnopilis* Braun. Marshed in edges of sunny pools " " " Green
 80. *Spongorchis*? P. in sunny pools " " " ^{shallow} ^{soft} ^{green} ^{abundant} ^{abundant}



Tozer Tah Camp 100 m. = 300 ft.
excluding Tozer Range & Mt. Tozer.

Rain forest

Rain forest marginal communities.

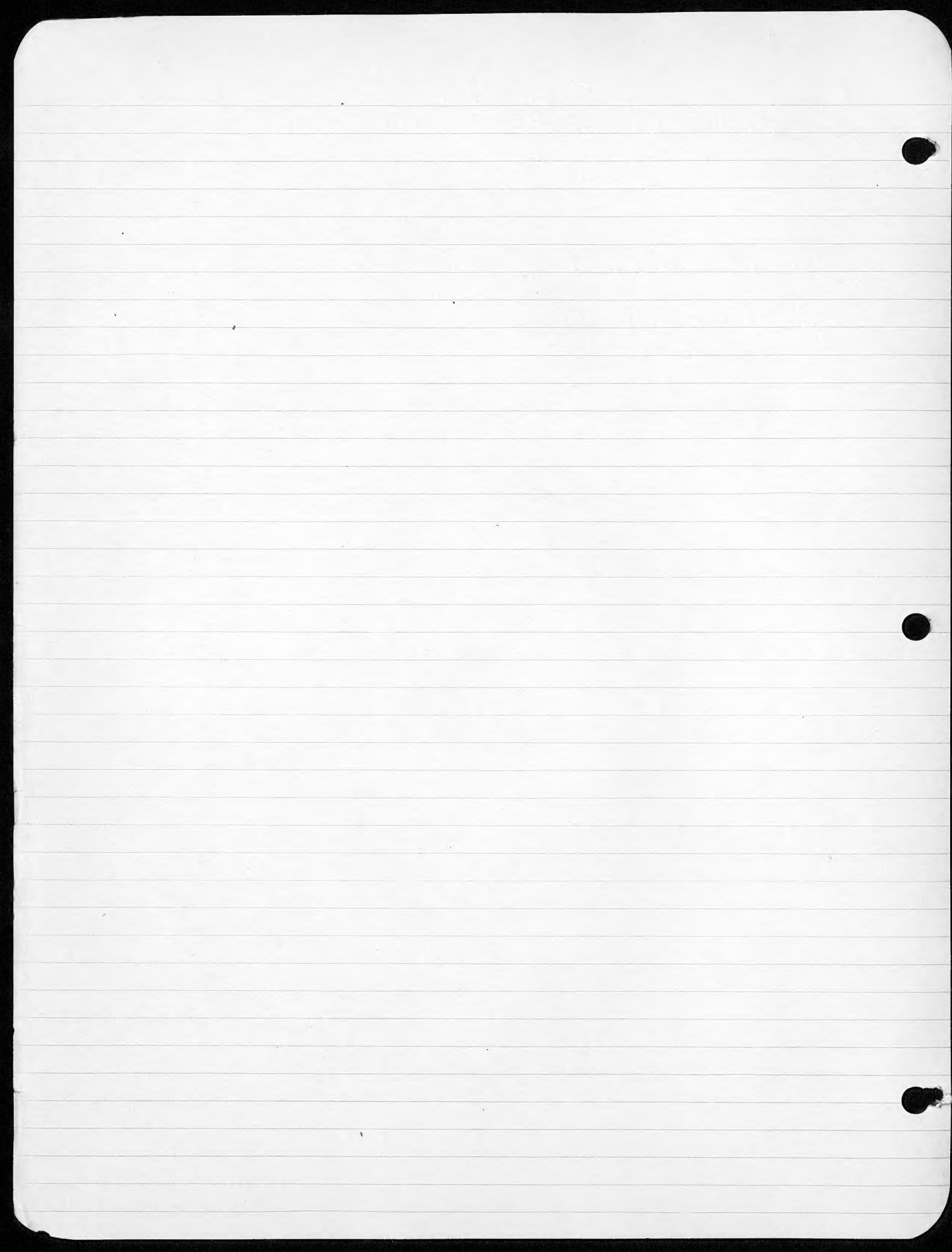
Rain forest regrowth

Savanna forest

Turkey bush.

Floodbanks of creek in rocky gorge.

Buffelboney Peak



Tozer Gap Camp.

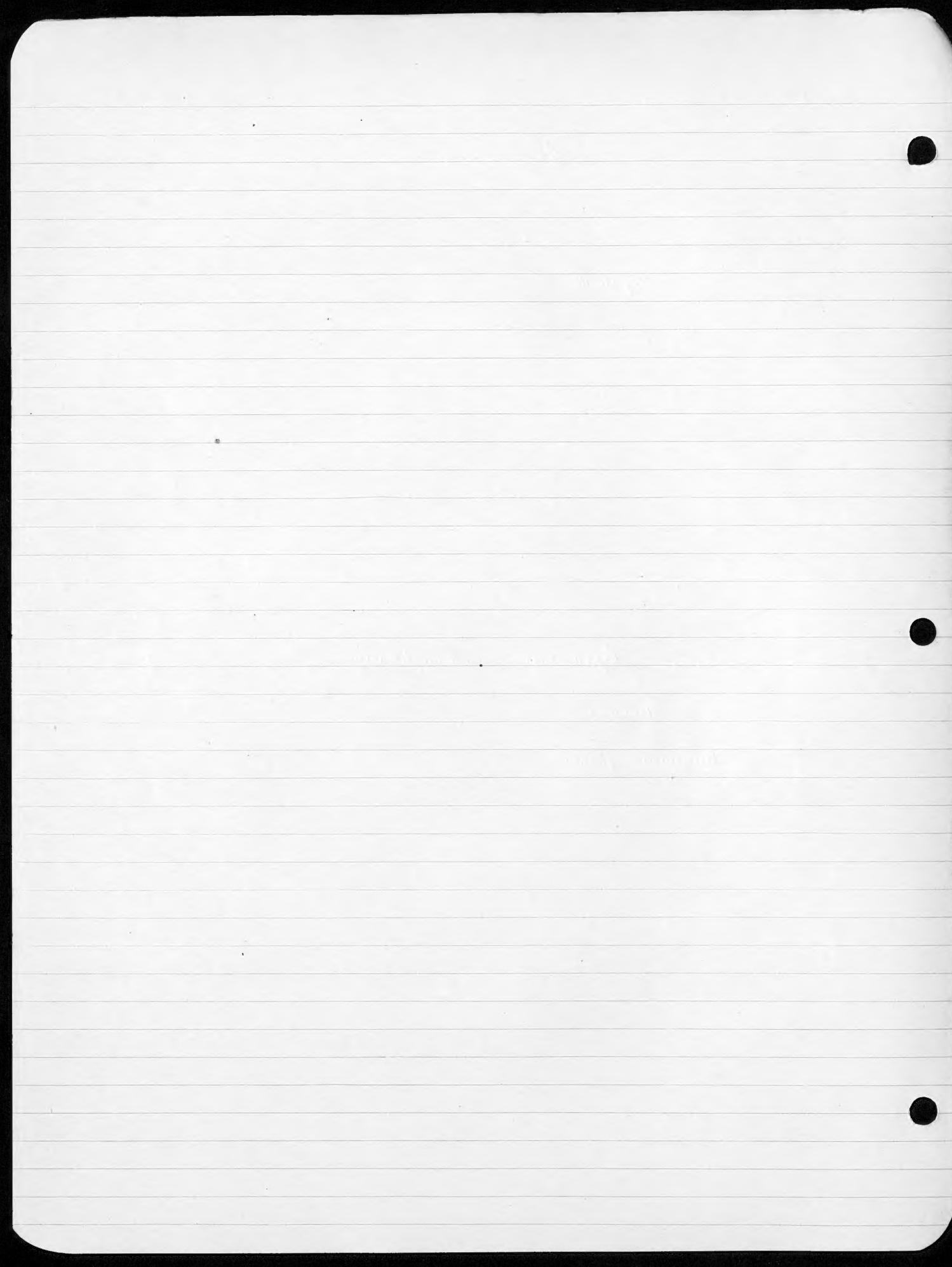
Pain fonsi

Trees, canopy

19407. *Bauhinia* P. Rocky sides of gorge 60m. 70-20m x 85cm. Bark grey, fibrous.
19579. *Xanthostemon* f. ^{Chrysanthus} gally woods. 10-15m x 30cm. Fls. br. yellow.

Trees, subdeciduous. *Typhicarpa cunninghamii*

19433. *Cinnamomum* 15m x 20cm. Fl. buds only. Wood smelling like coconut oil.
38. *Homalanthus lasioides* 15 x 20 cm. Fl. ? Fl. immature
38. *Podocarpus* C.
19582. *Taxus* ^{Endlicheria} *glauca* C. in poor fonsi on rocky slopes. 6-8m. Fls & fl.



Tzen Sip Tamh

Rain fensi

Trees, native

Woody undergrowth

19344. *Raphanea* Shrub 2 m. Fls. ? Fl. wh.

80. *Moh.* O. in galleries. Shrub 4 m. Fls. wh. (Also Buffetomy South)

19406. *Myrsinus* ? Tree 1-2 m. Fls. ? Fl. coriace

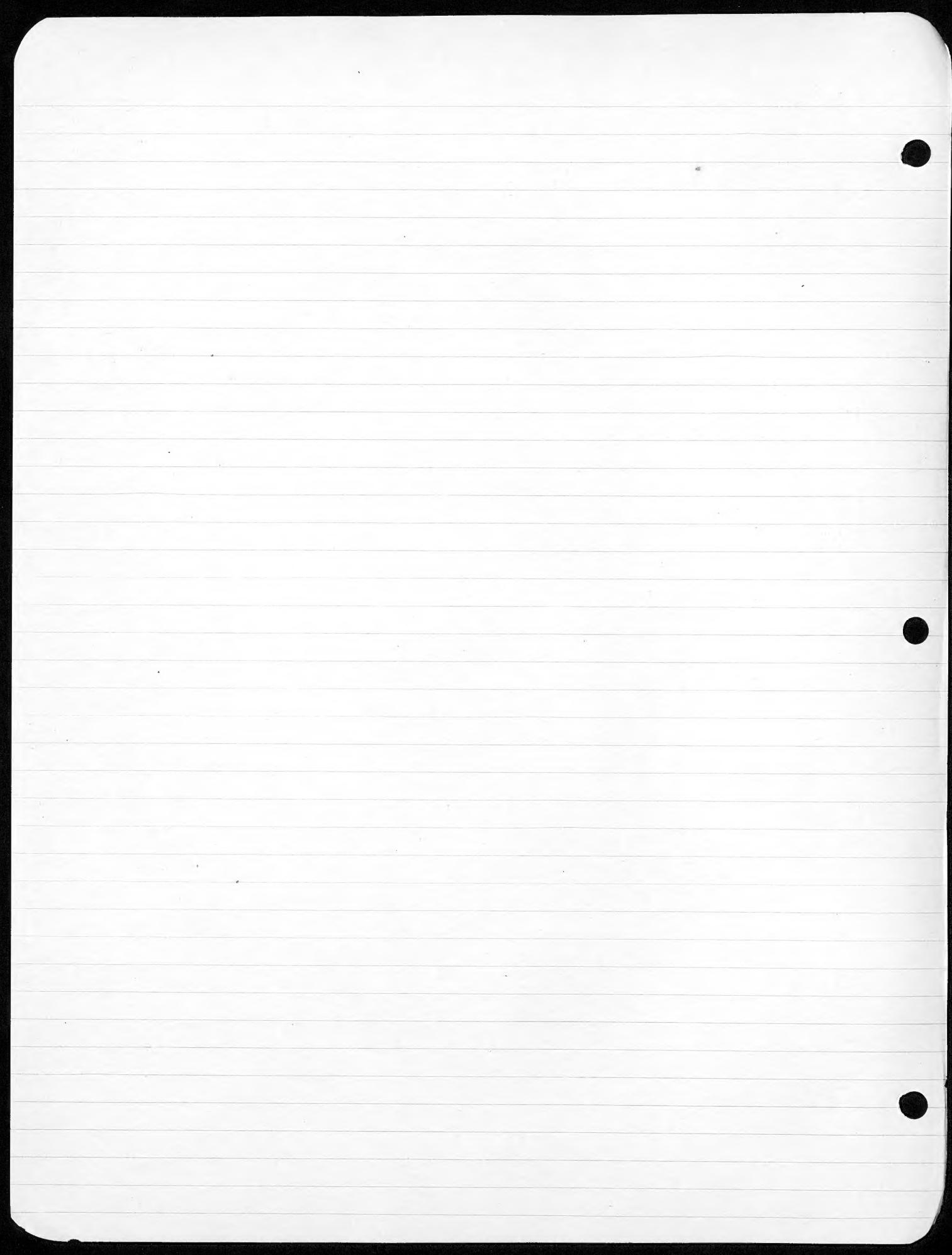
39. ? Tree 3 m. Fls. green Fl. ?

43. *Trotia* F. Shrub 2 m. Fls. wh. Fl. ?

49. ? Very slender tree 2-6 m. Fls. dr. & red. fl. L 2.6 cm. dia.

19503. *Utral.* F in gallery woods. Shrub 1.5-2 m. Fls. yellow. Petioles orange.

20. *Uncinaria*? O. tree or shrub 2.5-3 m. Fls. cream. Large pinnate leaves.
Siploplotes fl. nov.



Tayn Gap Camp

Rain forest

Herbaceous undergrowth

18374. *Oplopanax*.

75. Fern.

18408. *Bosa hygroscopica*

184. Fern.

65. "

46. *Hydrophyll.*

Eph. 4th 50. "

Eph. " 51. Orch.

Eng. small colonies in a R. gully. 80-100 cm. Ph. wh.

Eng. open sandy banks of a stream. Grooming; 80 cm.

to shade on rocky sides of gully. Ph. only. Silver gray needles.

Milk white needles on rocky slopes. Encr. fibrous 30-50 cm.

Eng. slopes of a ravine. Tufts 60-80 cm.

Covering granite rocks 3-3.5 cm.

Reseeding bases of trees on stream bank. Under 1 cm.

Matted on rocks. 1.5 cm. Ph. wh.

Vines

18432. 18505.

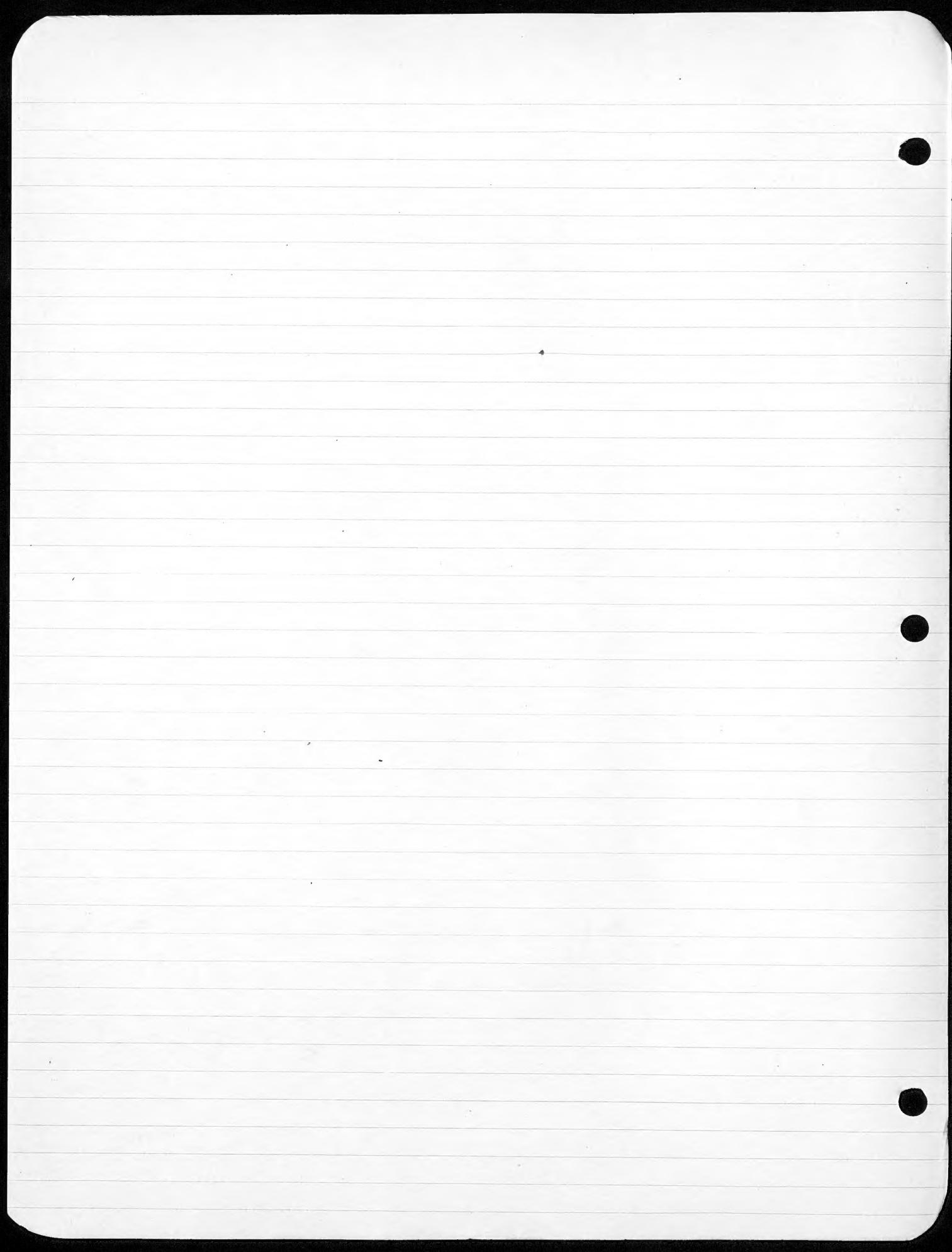
Banky vines 20 m. Ph. green-white. Foliage br., hard, not lobed.

47. *Noya*

One example bank of a stream. 8 m. Corolla pinkish-purple, 8-8.5 cm. dia.

19504. *Phenish.*

"Wire-wire" of poor P.F. & leafy bush. 3 m. Ph.



Tiger Tap Camp.

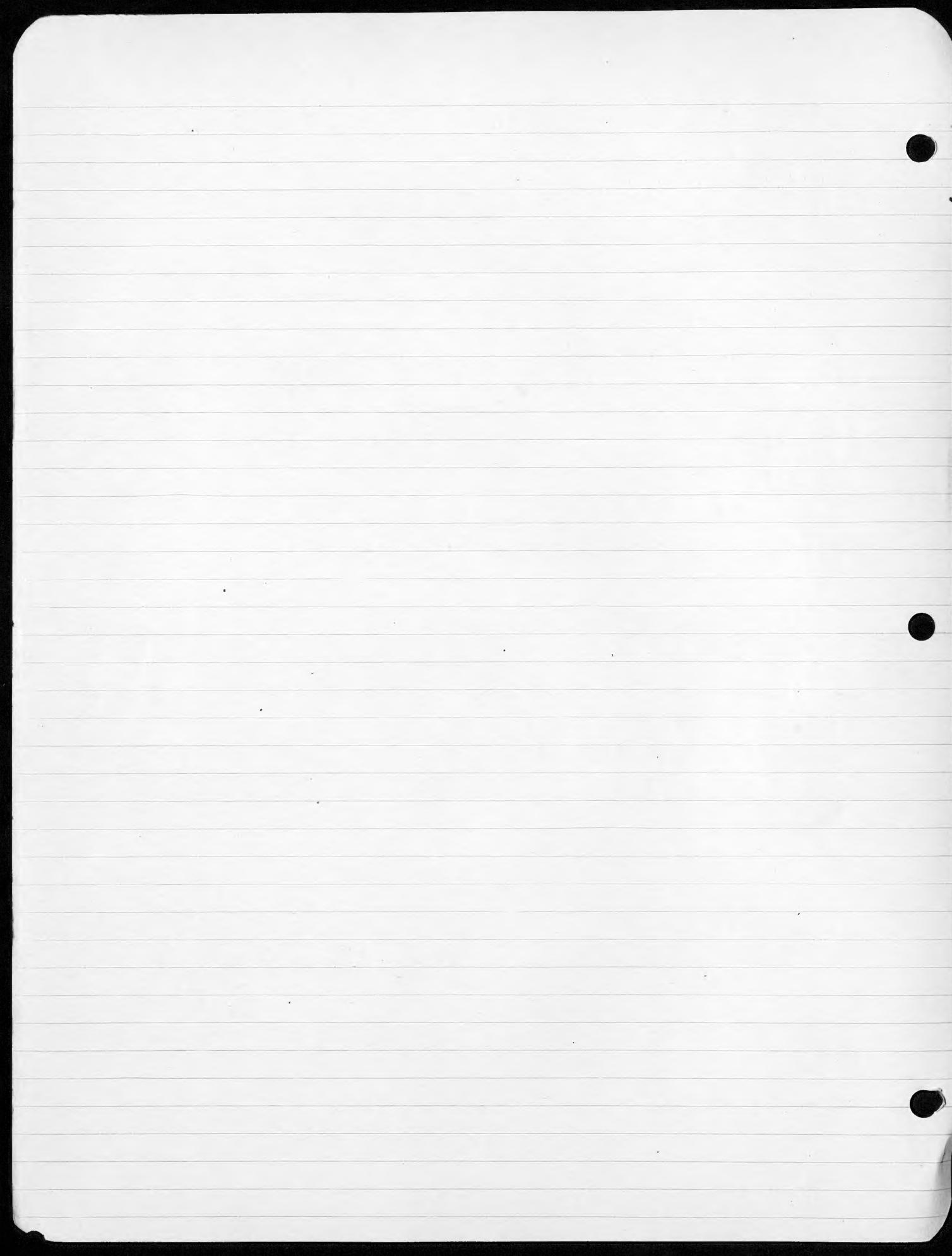
Rain forest

Epiphytes & parasites

19377. Fr. *tufts* of 1 cm. on an a.p. shrub. Fr. pale green.
19442. Fr. low on trees. Fr. purplish-red & emerald green. ~~yellow~~
18. *Tylophora* on a log. Dark glossy green. up to 18 cm.
50. *Hymenophyllum* Covering bases of trees & a stream. Under 1 m.
19511. *Bromobium* Large masses high on trees. 20 cm. Fr. yellow-green. mottled & streaked with red.
-26. Fr. low epiphyte.

Mosses

19382. On dead wood.
83. *A. tenuis* ^{green} of trees & on dead wood.
84. Dead logs.
85. Rotting logs.
19440. Trunk of a living tree.
54. *Mitrochila* in bed of a stream
55. Lower trunks of trees
56. *Brachythecium* in a stream
57.



Tozer Range & Mt. Tozer

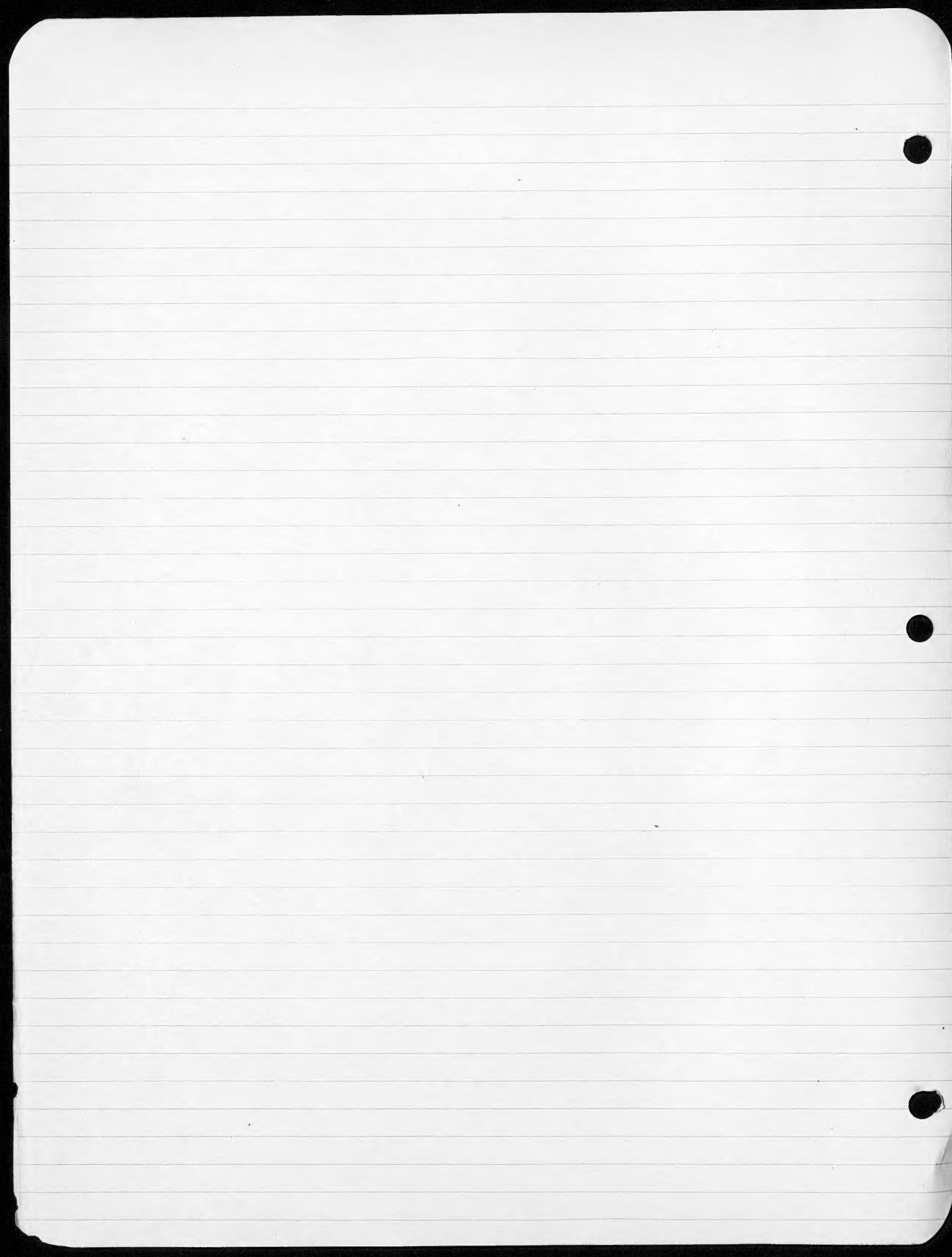
Rain forest of slopes

Wet

Woolly undergrowth

Herbaceous undergrowth

19367. 28cm. Brushy Pt 200m. 60-80cm. Fls. wh. mostly purple. Standing.
68 " " " 60-110cm. Fls. purplish-wh. pink, red:



Tiger Tap Camp

Rain forest marginal communities

18938. 180cm.

39. *Hibiscus*

40. *Swartzia*?

76. *Uncaria*

78. *Scheeria*

79. *Tylospodium*

81. Fern.

19516. *Gleichenia*

17. *Hedychium*

18. *Rub.*

~~19. *Xanthostemon*~~

Thickly forested of July R.F. Ht. 6-11m. Fls. wh. with pink spot

Fls. " " R.F. Ht. 6-80cm. Fls. pale yellow.

D. in dense ^{border} shrubbery. Ht. 1.5-2m. Fls. deep violet.

F. in bushy gullies. 50-80cm. Fls. pinkish. Fr. simple 3-lobed.

Fls. " " 80-140cm. Fls. white.

C. R.F. edges. Climbing 4-5m.

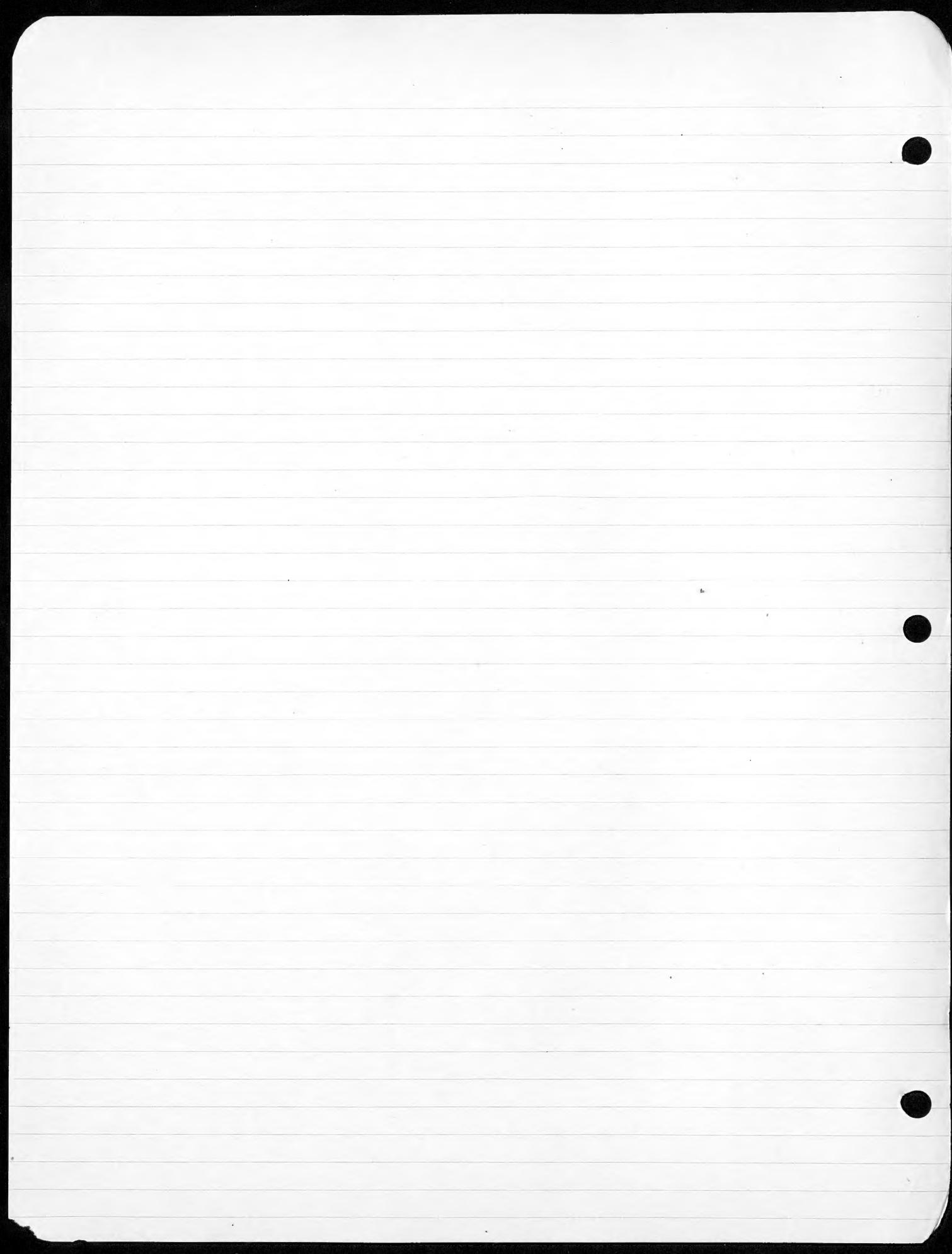
Edges of July fringe R.F. 80-80cm.

Fls. in edges gullies woods. 40-70cm.

O " " " " Ht. 60-80cm. Leaves frag.

F. " " " " Ht. 1.5m. Fls. wh.

F. gullies woods



Tiger Bob Camp.

Rain forest regrowth.

19434. 34. Lg.

F. vine 2 m. Fls. pale purple. Bracts green.

35. *Pithecellobium*

18 major constituent. Tree 6-8 m. Fls. wh.

36. Lg.

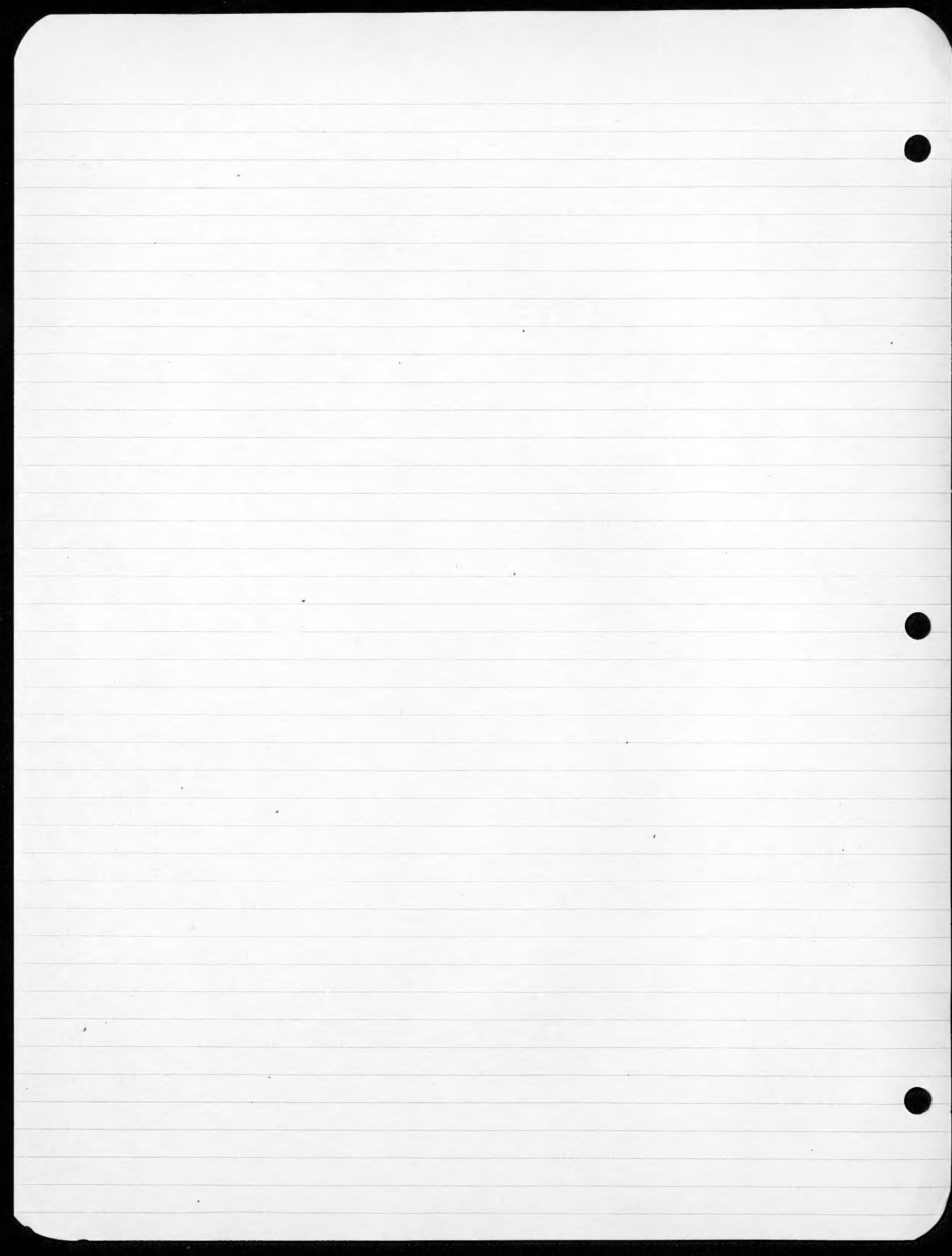
Vine 6-8 m. Fls. yellow. Seeds metallic blue. *Pithecellobium*

37. Cow.

F. vine 2-3 m. Fls. dingy white.

41. Bommel.

C. locality. Height 30-50 m. Fls. purpleish-wh.



Tower Gap Camp.

Savanna flora

Trees

19418. *Prosopis* F. on sandy ridge. 6-7m. Fls. yellow. Leaves glaucous

98. *Acacia* cf. *A. farnesiana*. O. on rocky ground. 5-8m. Fls. ? Buds. Leaves glaucous; hard rough deeply pinnate br. bark.

19573. *Dipterocarpus* F. on stony ridge. 7-15m. X up to 35m. Fls. yellow.

21. *Funtumia* One example. 6m. Fls.

19027. *Mel. leucocarpa*. C. in poor st. Very patchy bark. Fls. pale red. 6-8m.

19167. *Xanthostemon*? Sandy bed of a creek (really a RF sp.?). Fls. wh. (10x15cm)
Mitromyia *leptophala*

Shrubs

19489. cf. *Trococarpus*. C. in scrubby u.g. 40-60cm. Dull yellow fls. floral wh. ^{strong thick}
^{stock}

19500. *Geoffroea* P. locally in shrubberies. 30-720cm. Fls. yellow & green

02. *Santalum* O. in scrubby st. ± 1m. (also fls.).

05. *Phyllanthus* C. in scrubby st. 1m. Fls. wh. Leaves glaucous.

09. *Leguminosae* Total " " 60-100cm. Fls. yellow. Simple or little branched

10. *Acacia* P. locally " " 1-1.20m. Upright; branches flat out

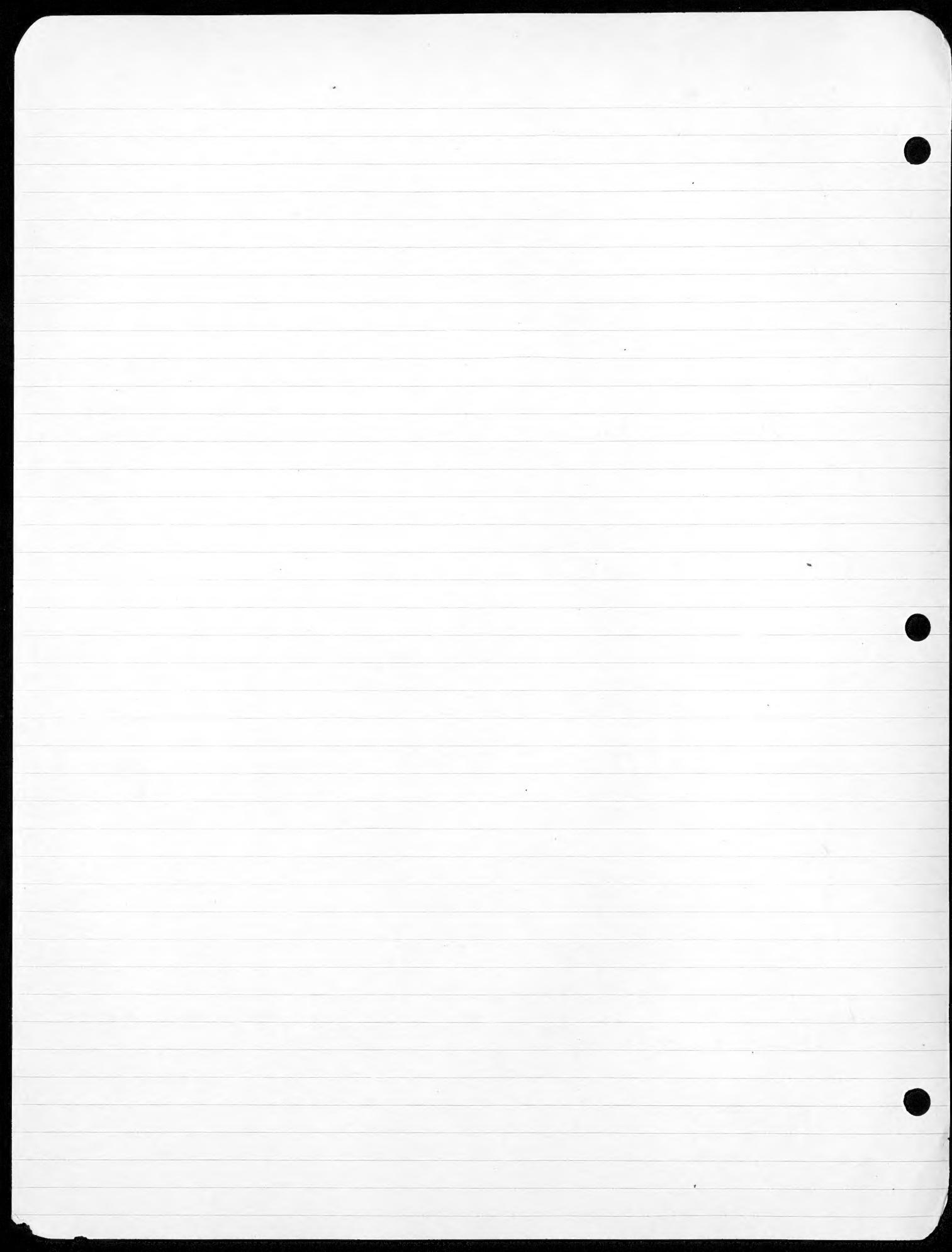
14. *Stephanotis microloba* C. bushy edges of gullies 1-1.5m. Fls. of 8" & 4 with strong musky smell.

19024. *Gibberella* P. in scrubby u.g. 30-40cm; much branched - Fls. pale yellow.

25. *Morinda citrifolia* 40cm.

28. *Alpinia* Principal element in scrubby u.g. 1-1.5m.

30. *Gibberella* P. scrubby u.g. 1m. Fls. yellow; leaves brownish below. Fls.:



Tazon Tap. Tamp.

Savanna forest

Grasses

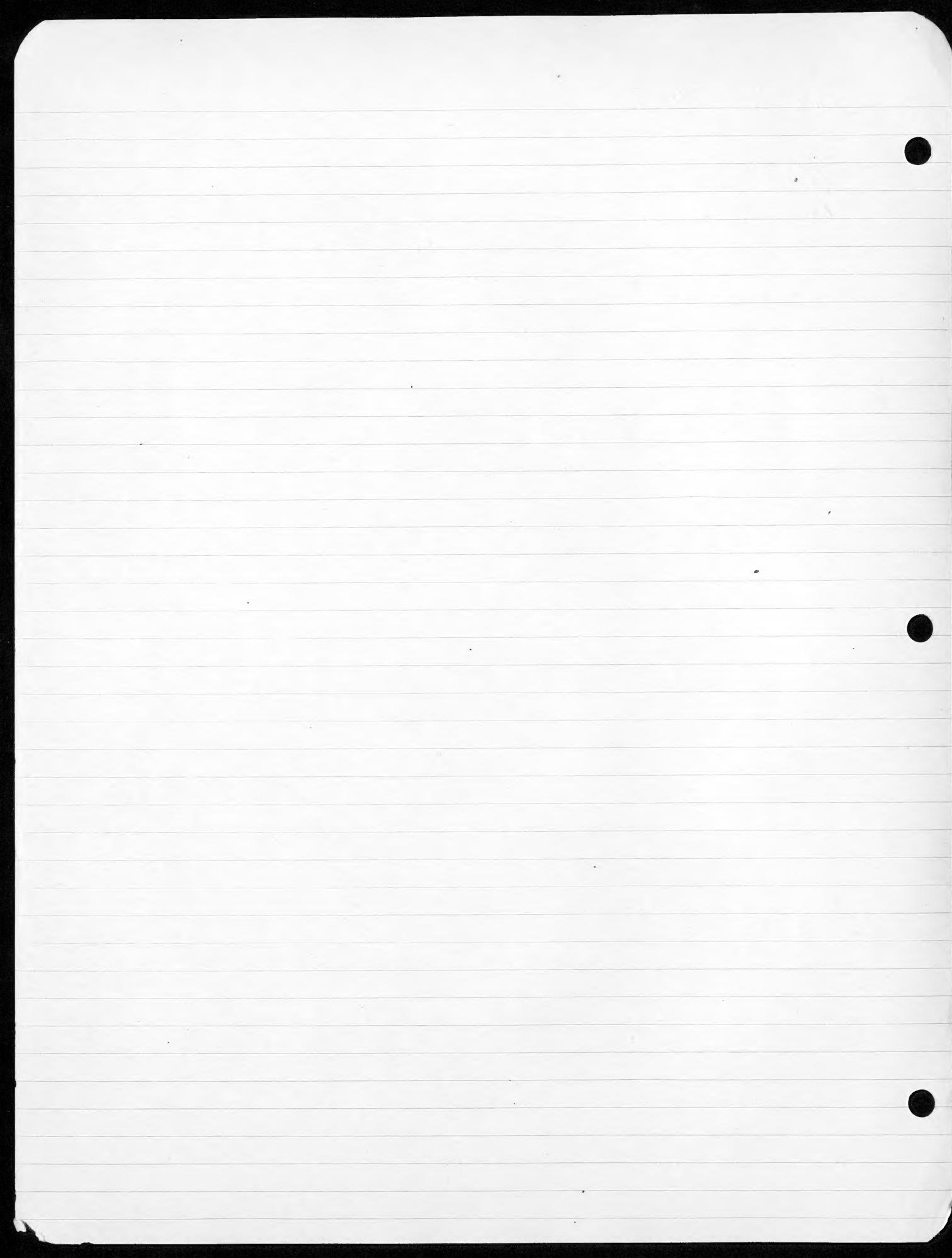
18536. *Panicum*

196123. *Gramine*

Moist bushy banks of a pool. Ascending, 1 m.

Shaded wet banks of a stream. 25 cm.

Epiphytes & Parasites



Toya Bob Ranch

Savanna forest

Herbs

18385. *Velutia* ^{grasses} Eng. on small tree patches in sandy st. Fl. yellow.

18. " " A. locally sandy st. 60-80 cm. Fl. yellow.

21. *Tetrapinella* Moist shaded erosion banks 5-8 cm.

24. *Psychotria* One plant in a swampy gully. 180 cm. Fls. pale magenta

23. " " Fl. violet.

19619. *Malanga* Moist shrubby edges of a gully. 25 cm. Fls. red. Diffuse.

20. *Dracena* S. in a moist bottom. 75-100 cm. Fls. wh. later pink.

21. *Antidesma* Moist open banks of a gully. 4-10 m. Fl. yellow. Seeds red. ^{green}

22. " " C. " " 4-20 cm Fls. pinkishwh. Seeds ^{modest} ^{green}.

29. *Moss* On ground where tops had burned

19507. *Ophioglossum* C. locally in shrubberies on rocky ridges. Moss herb 5-100 cm. Fl. cream. Leaves very green.

08. " " C. in st. 60-80 cm. Fls. purple & wh. (C. am. sp.).

15. *Phylidium* Moist banks of a gully. 4-20 cm. Fls. wh.

23. *Haemodorum* S. 70-80 cm. Fls. red.

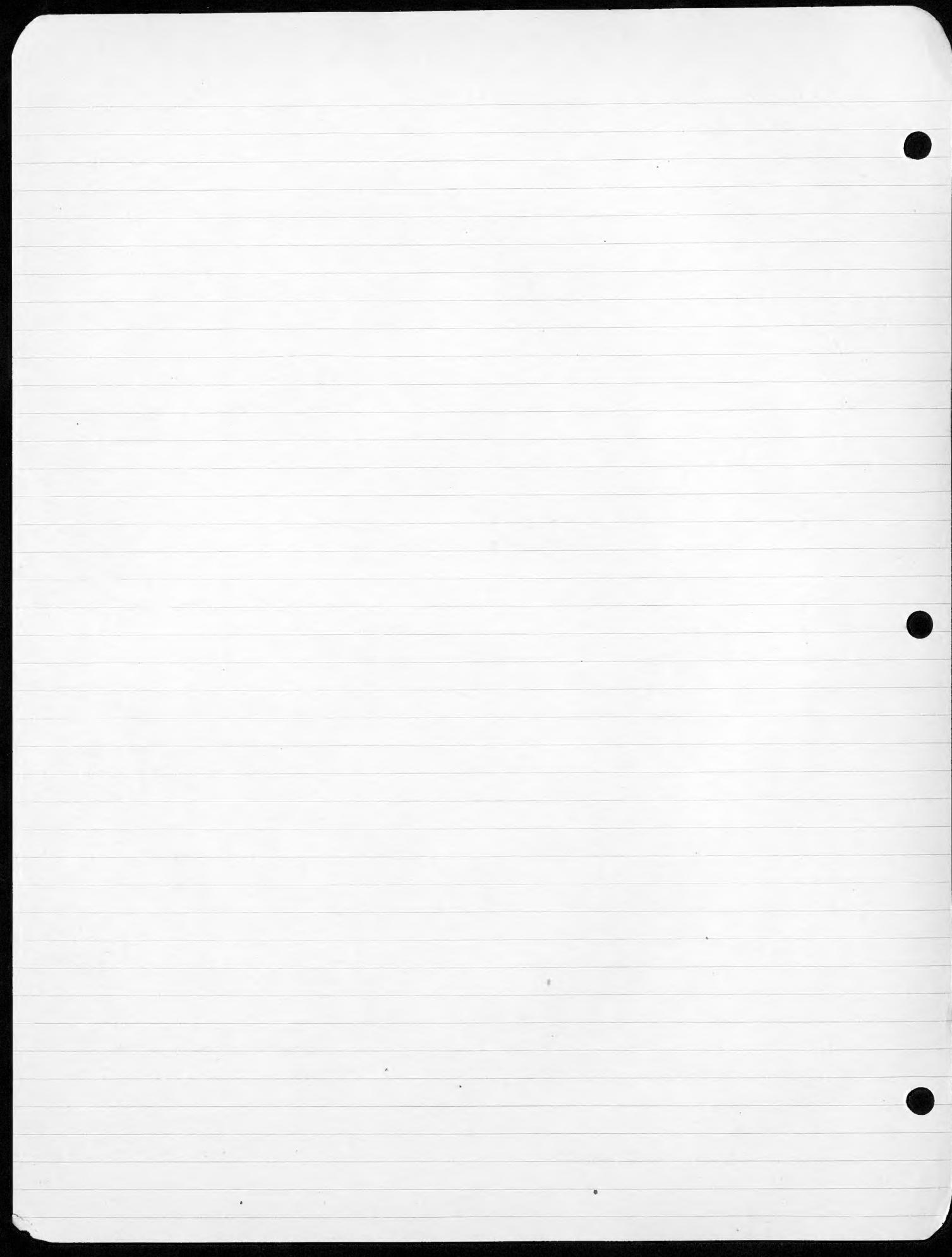
19029. *Thymelaeaceae* C. 50-70 cm. Fls. violet.

Trees

18387. *Tachnia* P. on shrubby edges of gullies. Large clumps 60-100 cm. ^{red}

43. " " Eng. wet sandy banks of gullies. 10 cm.

19501. *Gnidium* ? Trunked on sandy floodbanks. Blump 1 m.



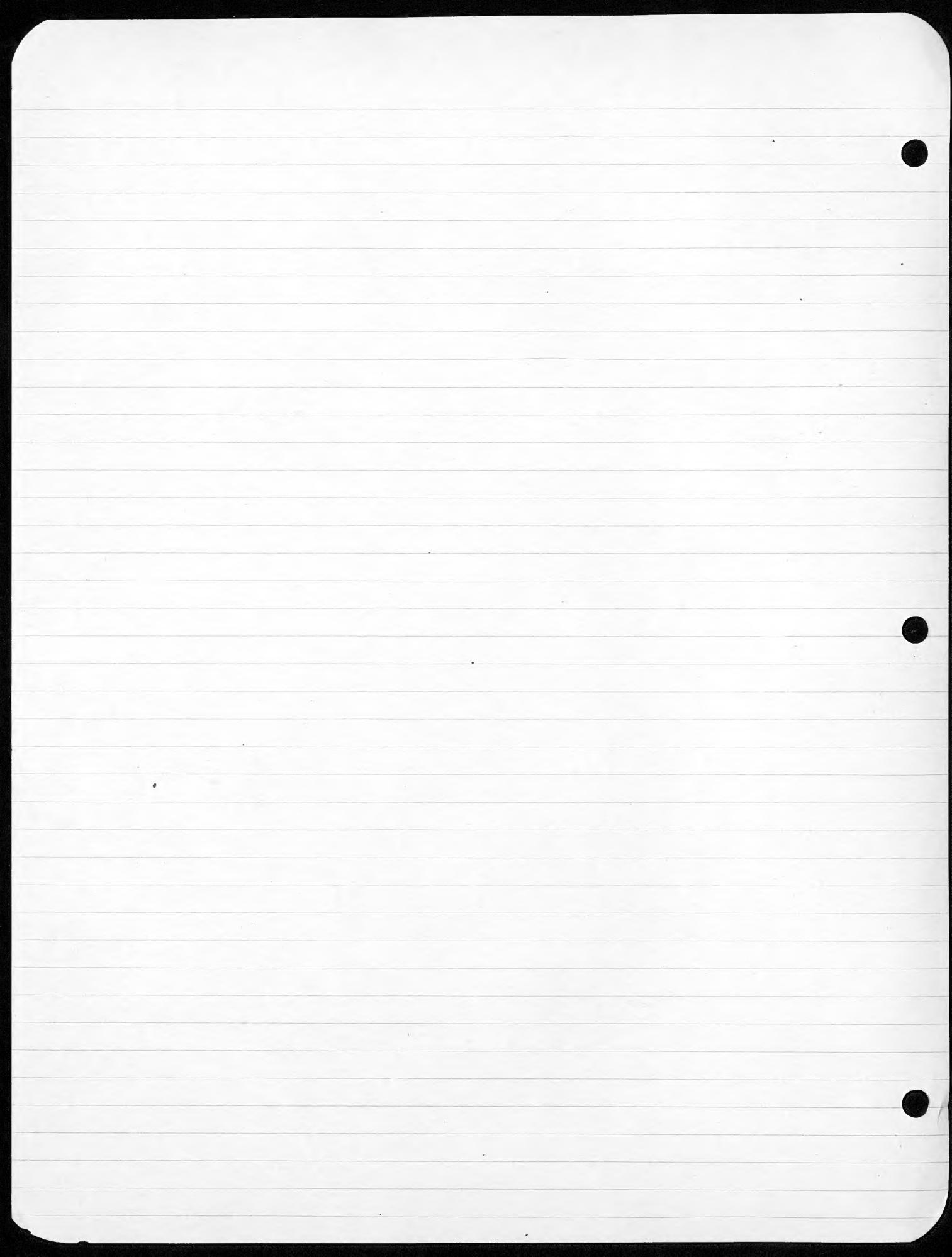
Tayn Bah Bank

Savanna forest

Vines

19431. Sisonome

Adjacent to R.F. 3m. Large cylindrical tubes 40x3mm.



Tozer Gap Camp

Turkey Bush

Trees

19528. *Acacia chrysocodon*. F. tree 8-6m. Fls. golden yellow.

Shrubs

19424. *Euph.* P. in *Acacia* scrub on sandy ridges. 2-3m. Fls. yellow. Small branchlets.

25. *Hippocratea Banksii*? P. " " " 1-1.5m. Fls. yellow. Stiff leaves to. below.

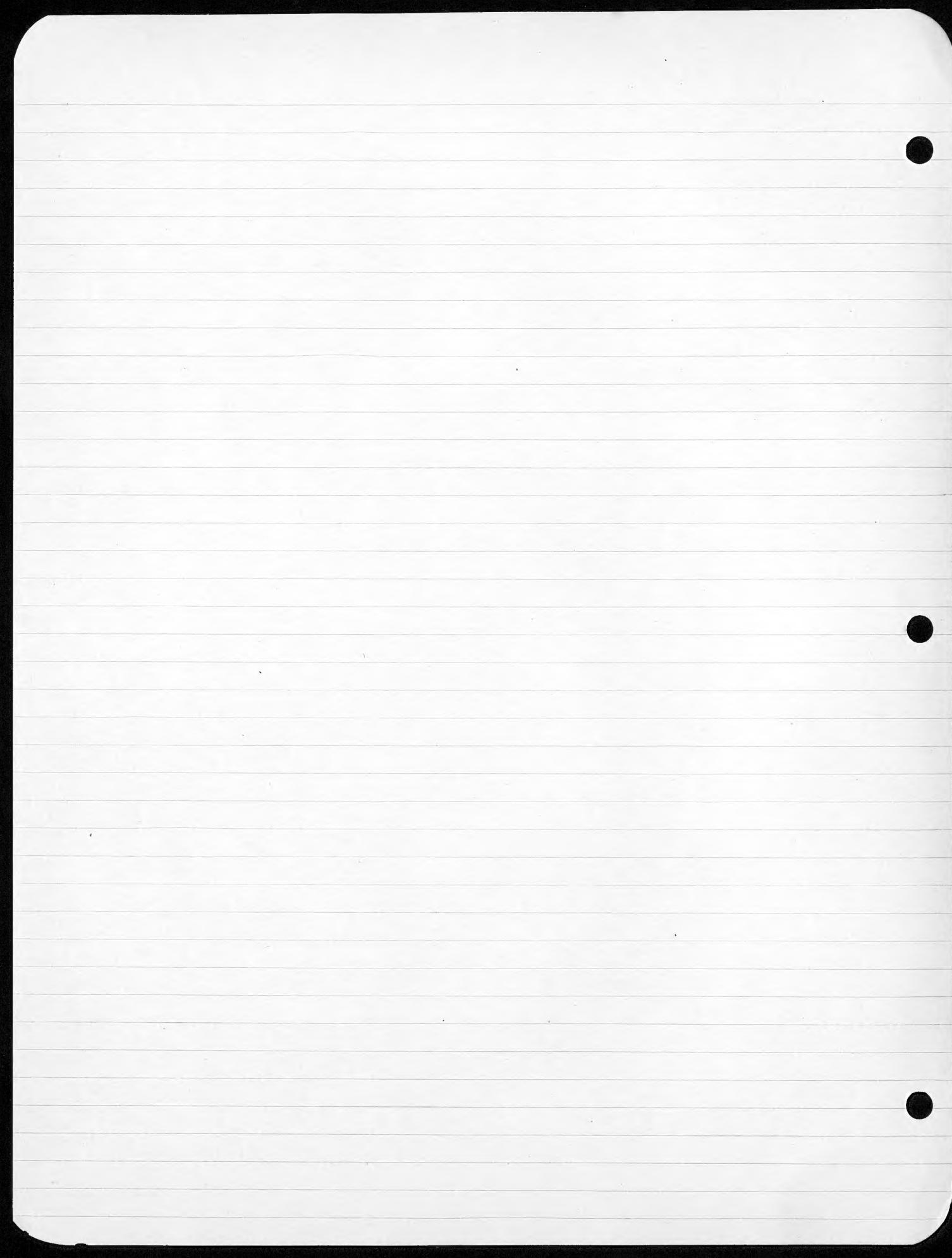
67. *Ephedra*. S. 20-40cm. Fls. wh. Fls.? Leaves sparse. below.

28. *Boronia* P. loosely 30-60cm. Fls. pink.

18165. *Bunya*. Thickets on sandy granitic soil. 1-2m. Abundant pink fls.

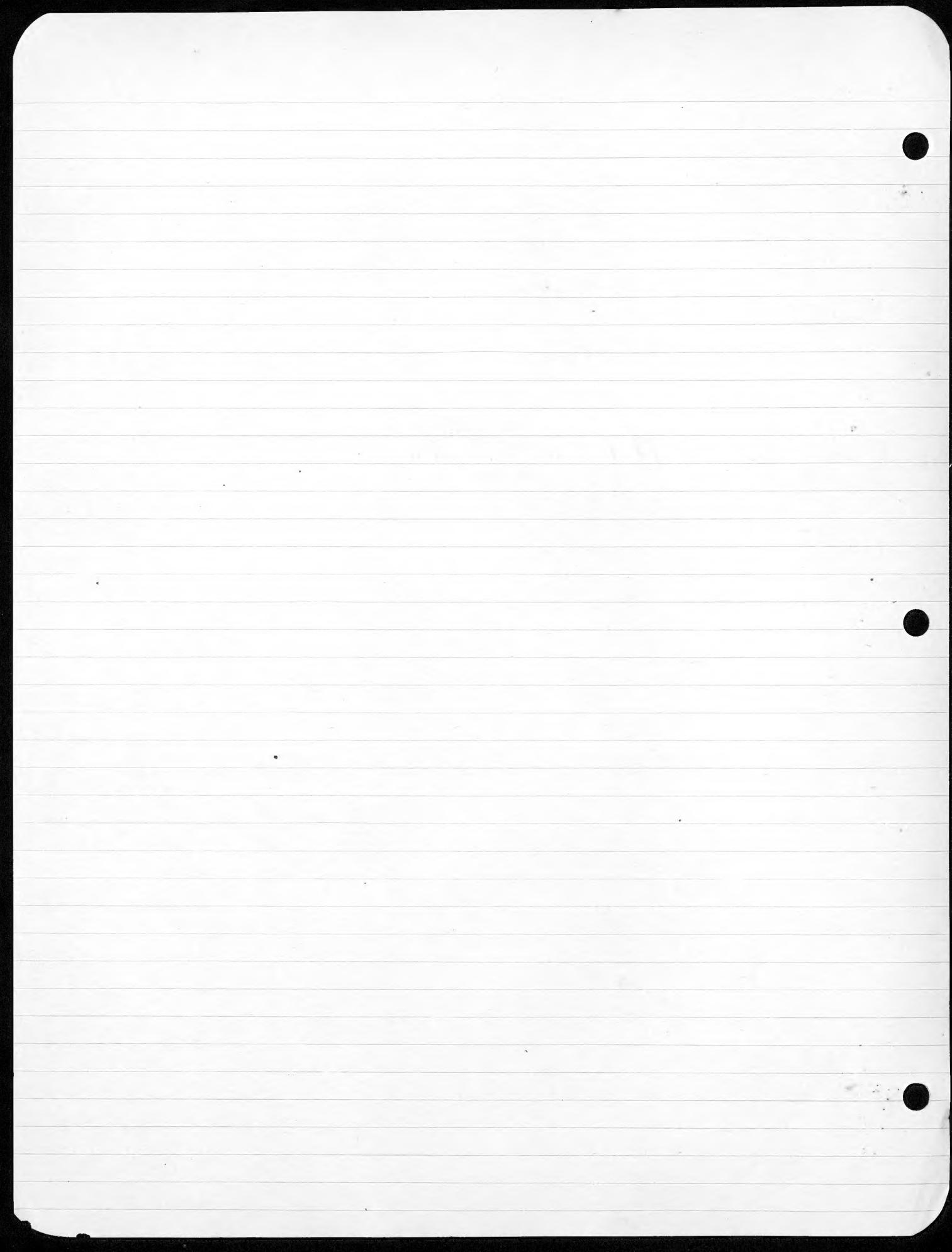
Herbs

19426. ? C. in *Acacia* scrub. 20-25cm. Fls. wh, pale pink or br. strong.



Tiger Tap Camp

⁸⁶⁴
Flood Ganters of creek in rocky gorge. (60 m. alt.).



Lemnacei, 300 m.

Tozer Sah Camp

Buffalo Valley Park

Pain faces

19356. *Quinaria* Tree 12 m & 20 cm. Th. wh., fragrant. Leaves greyish below
 61. *Monnieria* (Baffordia?) ^{Kundack} RT of a ravine. Tree 7 m & 12 cm. Fls. ? Fls: reddish-purple, bristly.
 63. *Pandanus* C. bushy RT & adjoining *Ziziphus mucronata*?/ ground. 5-7 m. Tree label
 66. *Alse*. Bushy forest 250 m. Vine 3 m. Fls. br-yellow. Fls: white.

19364. May 1:

Formed trees in a sheltered cleft. 8-12 m X up to 30 cm. Fl. bracts. stiff grey hair back.

Temb & bush forest

19345. *Acacia*? V.H. in scrub & bushy forest 300 m. Thurb 2-3 m. Fls. deep viol.
 46. *Leptospermum* ?? D. in scrub of rocky, granite summit. Tree 3-6 m. Fls. wh. Fl.
 Very picturesque tree with usually several contorted stems, ch.
 See label & pictures "Papuanic Zone".

49. *Phelsuma* *graphyceps*? P. tree 5-10 m. a shrub on exposed bluffs. Fls. red. (Red batua)
 51. *Euph.* P. in scrub on exposed granite bluff. Thurb 50-150 cm. Fls. yellow. Leaves green.
 52. *Mah.* Shrub 1-2 m. (deciduous). Fls. wh. later pink.
 53. *Euph.* V.H. of bushy forest; shrub 1 m. Fls. wh.
 58. *Phytolacca* *hirsutissima* P. in scrub. Under 1 m. (shrub). Little branched.
 60. *Burm.* scattered in sun-shade in shrub-bush. 15-80 cm.
 62. *Bladium* Term of summit. Few stems in tufts 90-130 cm.

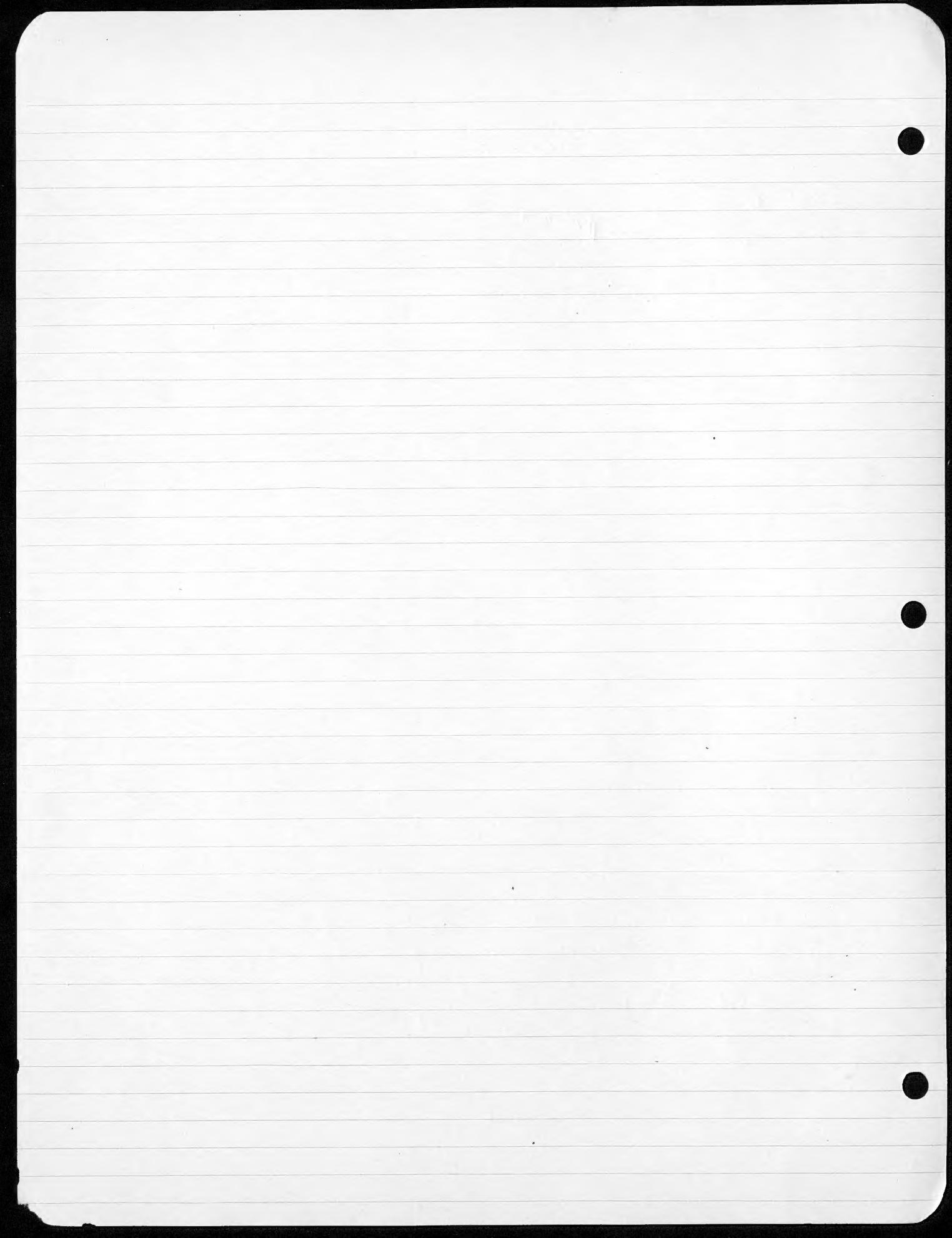
Granite rocks of wind-swept open summit (300m)

18347. *Ficus* tree 2 m. low sprawling habit

18. *Tylospermum* Thub. 30-150 cm. rough wh. fls. Leaves smooth & shining. (on a windward Rock crevices cliff.)
also forest: 50. *Hibiscus* V.P. on cliff & in w.s. of forest. Thub. 50-100 cm. Fls. pale yellow.

57. *Mastixia* Males in rock crevices. Thub 20-30 cm.

65. *Tram.* Covering small soil pockets in rock crevices 250 m. 10 cm.



Togor Range & Mt. Togor

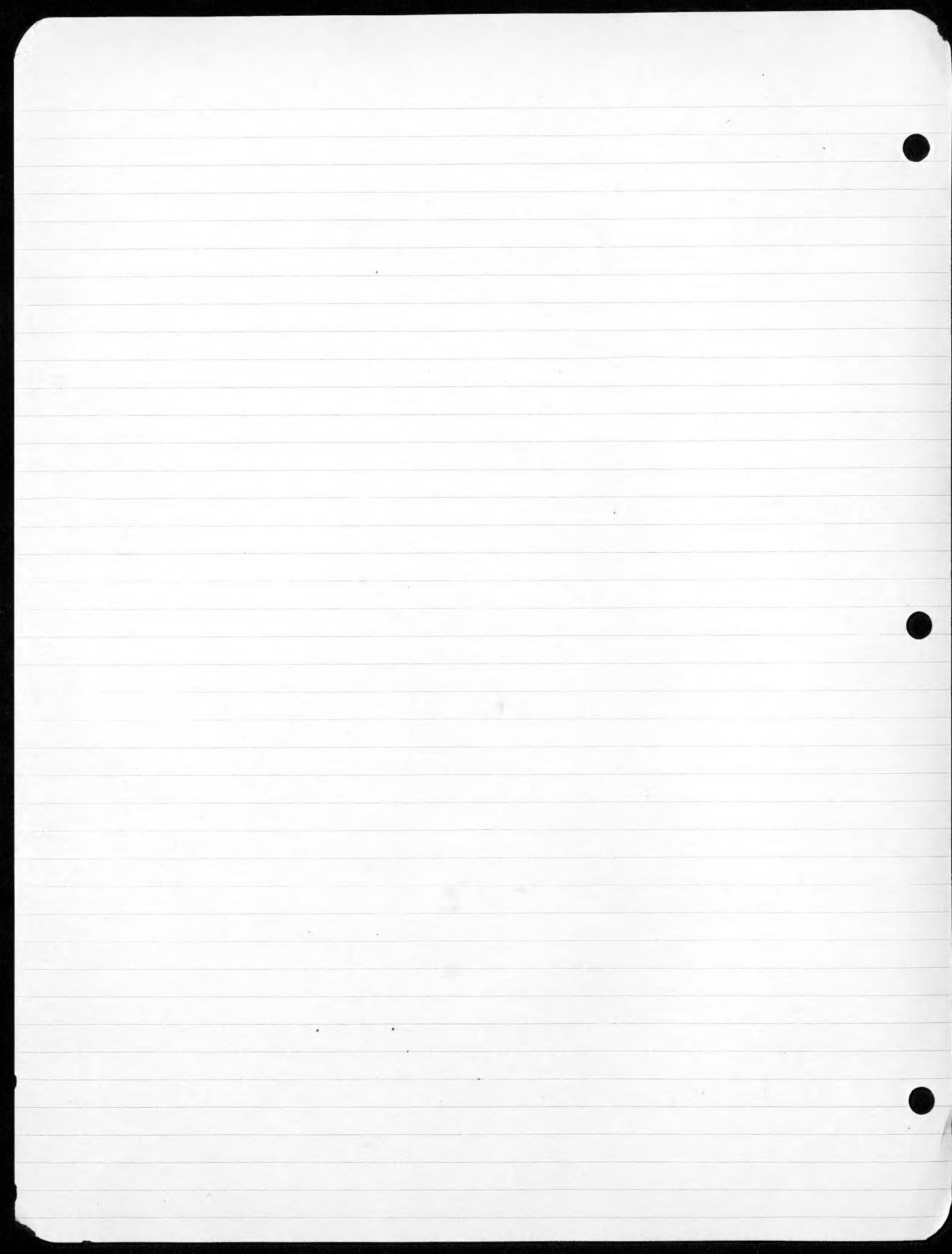
200 m. higher

Rain forest of slopes — up to 400 m.

Rain forest of ^{upper levels} summits — above 400 m.

~~Dense~~ Dense scrubs of upper levels

Summit of Mt. Togor (5200 m.).



Tozeu Range & Mt. Tozeu

Pain forest of upper levels

Trees, canopy

18458. *Podocarpus* C. 6-18m x 25cm. Thin pale b. fibrous bark. Very slow growth ^{long leaves}

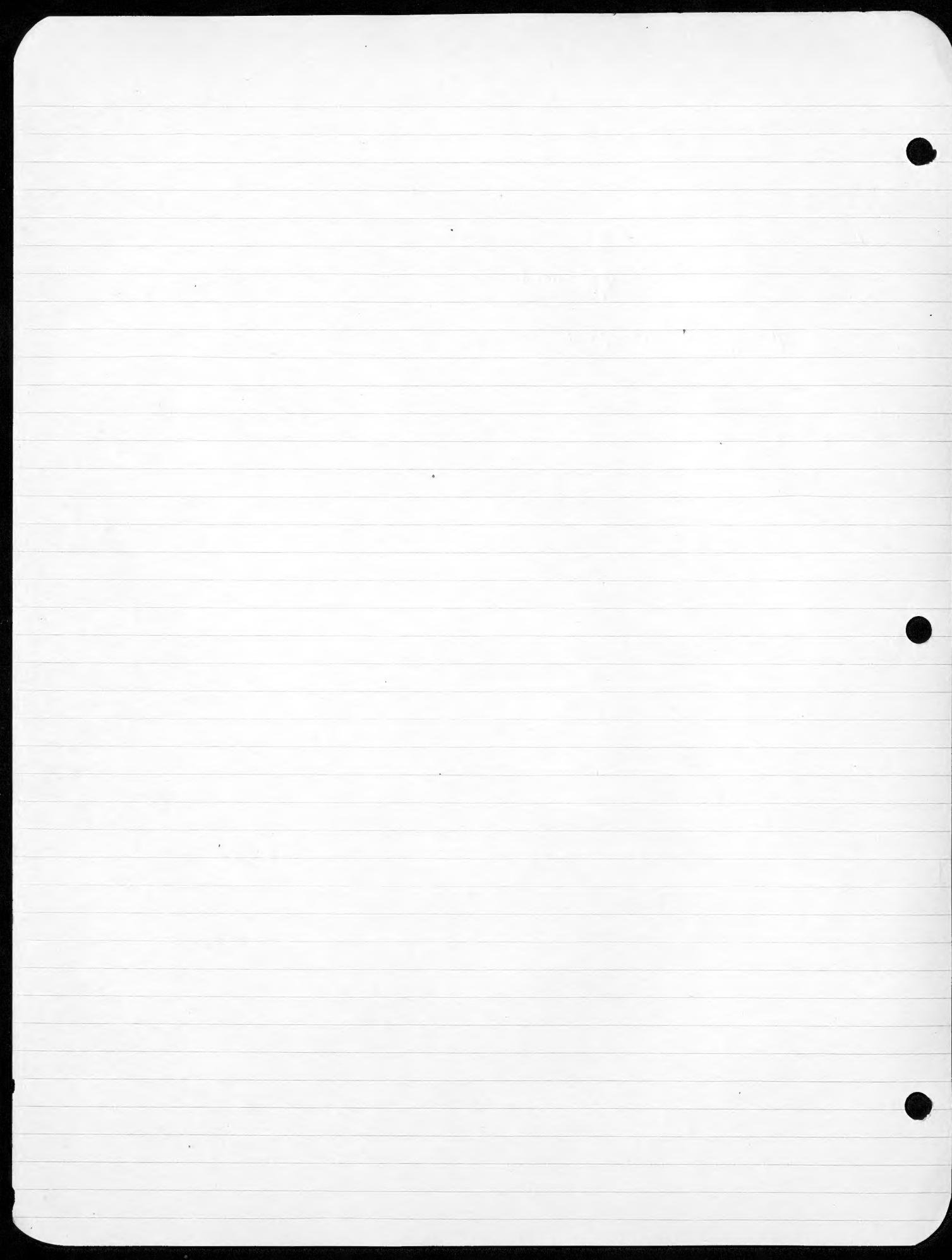
65. ? F. ± 18m x 30cm. Fls. ? Fl. yellow.

66. *Thespesia* (Balfredii) ^{Kundack} F. ± 18m x 20-30cm. Fls. ? Fl. gr-wh. aromatic.

67. *Phoebe* ^{20m x 30cm.} *Acerogyne miliophylla* Fls. ? Fl. 4-angled, yellow, acidic. Leaves 3-pd.

Trees, understorey

18878. *Picea* On a face of granite 425m. 5m. Tow, spreading habit.



Toya Range 3 Mi. Toya

Rain forest of upper levels

Trees, substage

Woody undergrowth

19388. *Pittosporum* .

Same 2 m. fls.? empty fls. only.

19461. *Tovarania*

Tree 6 m. fl. ? fl. unripe

62. *Emph.*

W. char. sp. of w. f. Tree 3-4 m. Fl. wh.

63. *Papuana*

Thrush 2 m. Fls. cream. fls.?

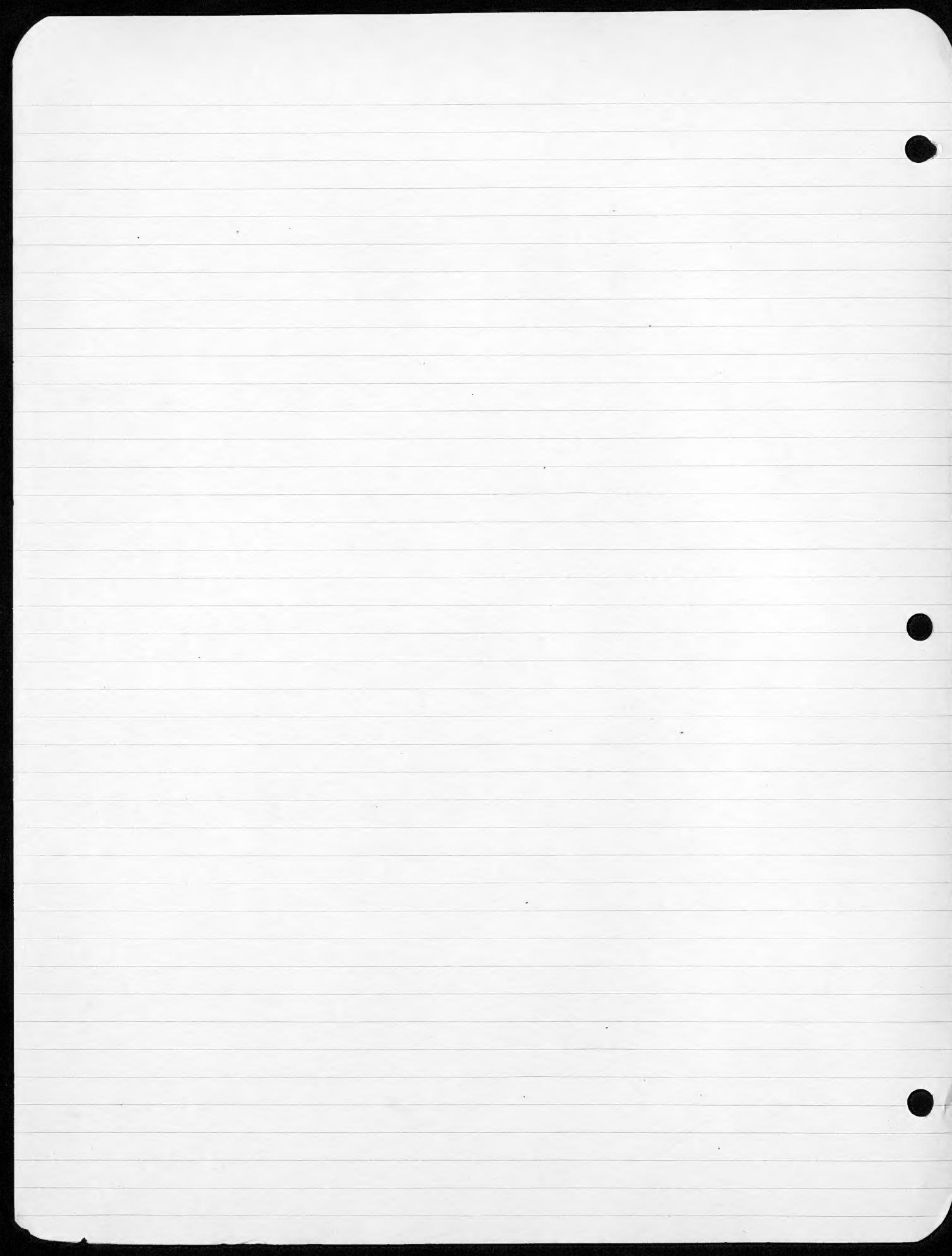
Morris

134.70.

Pushin' wood in RT floor

72

1988. *Galleria*. A. in moist ravine 425 m. To 3 m. *Roxburgh* sub. stein.



Toze Range & Mt. Toze.

Palm forest of upper levels

Herbaceous undergrowth

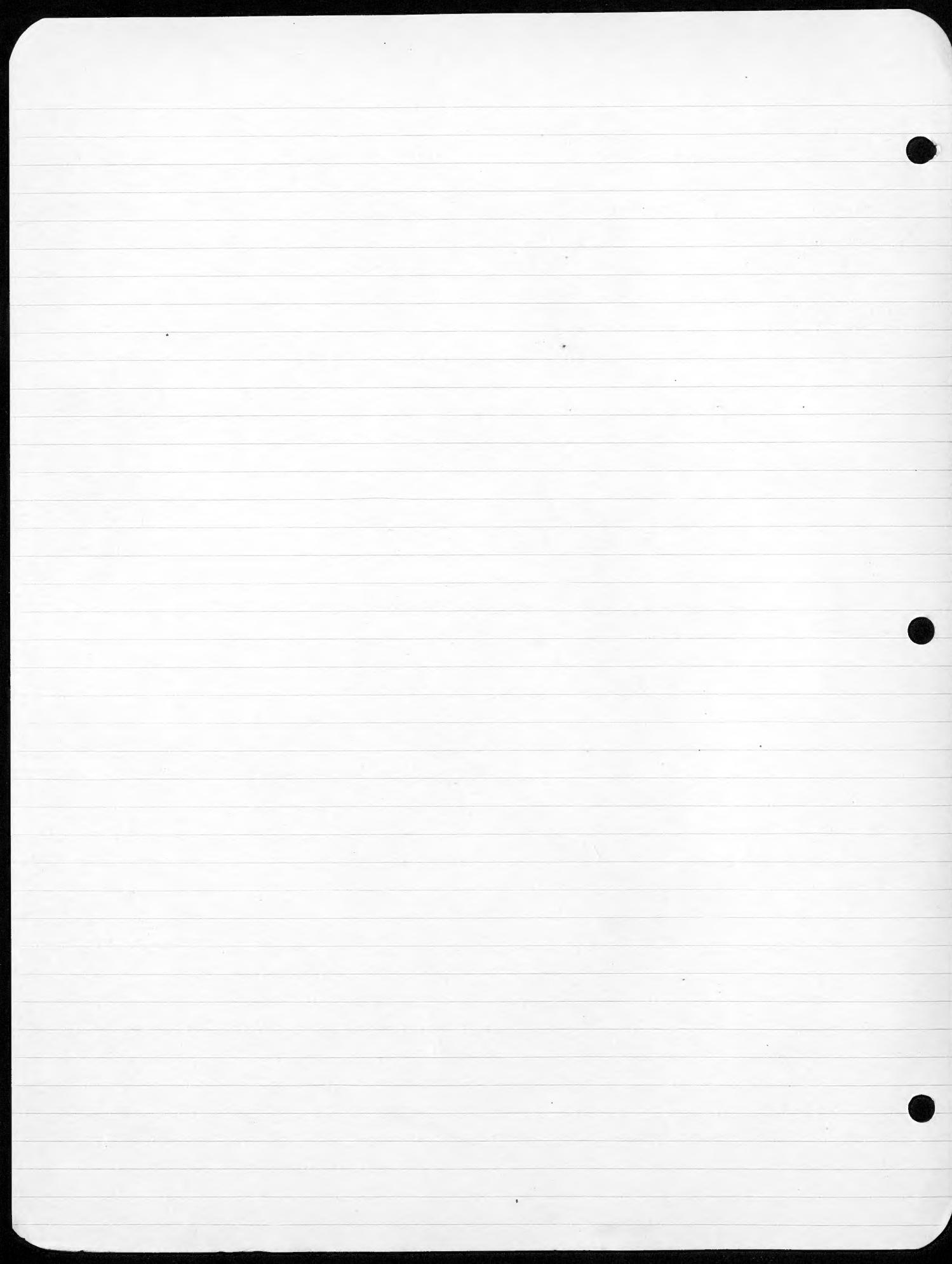
19389. *Plechnum* F. 425 m. Lg 65 ± 1 m.
 19400. *Hymenoph.* P. moist banks of stream 425 m. 10-18 cm. Very dark green.
 62. *Th. b.* Eng. semi-shade on a granite rock face. 50-60 cm. - *P. laverdei*.
 60. *Hymenoph.* Matted on wet granite rocks in gully 425 m. Lg 4-5 mm.
 68. *Fern.* C. 30-55 cm.

Vines

19459. *Piper* Climbing 2 m. Pl. heads 21 x 0.64, red (2 x 1.44 cm).
 69. *Orchid.* F. stems unbranched, climbing 3-4 m.; plant fleshy. Thick.

Epiphytes & parasites

19386. *Platycerium* F. Thumps 30-60 cm. dia. 425 m.
 91. *Moss.* Base of a dead tree "
 92. " Trunks of trees "
 94. *Orch.* Tow on trees 425 m. Distinct; numerous minute brown fr. right after trifid or matted tow on tree 425 m. 15-18 cm.
 96. *Fern.* Barbeling bases of trees & rocks " ± 1 cm.
 97. *Hymenoph.* Tower trunks of trees "
 19404. *Moss* Dead wood.
 95. " *Davallia* Rhizome climbing. Leaves 5-20 cm.
 73. *Moss* High branches of a tree.
 19523. *Dendrotrium litugonum?* F. buds only.



Tzou Range 2 mi. N: Tzou

Dense woods of upper levels

1000 m. & over.

Trees

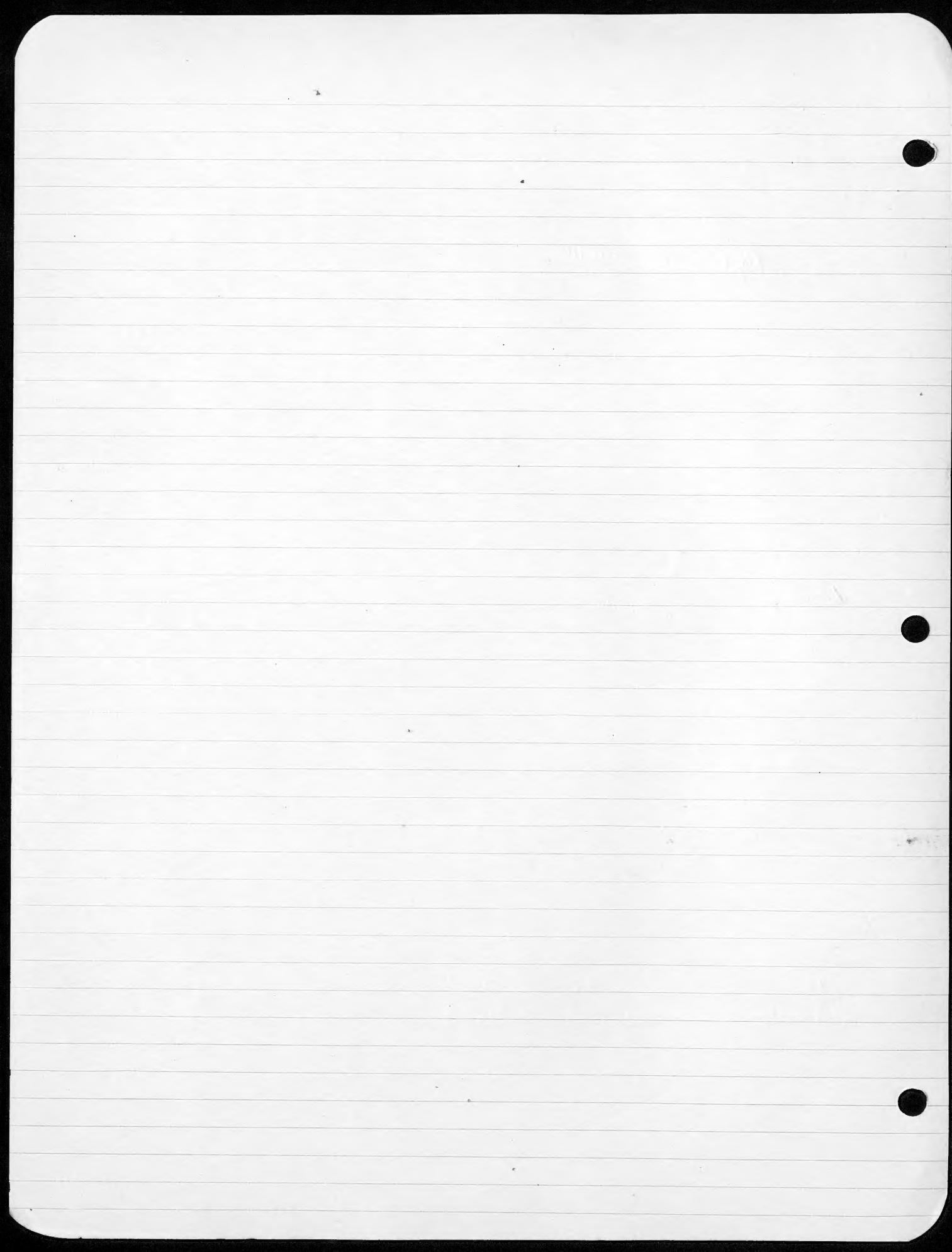
18387. *Ternstroemia* Of major dominant. Tree or shrub 1.5-5 m. (= Sh. of lower country)
93. *Rhynchiodia* ^{tidwellii} Tree or shrub 2-3 m. Fl. red.
95. *Lycopodium fimbriatum* V.P.A. 1.5-3 m. Fl. yellow. Fl.
19401. ? Tree stand of Mel. & *Ternstroemia* 1000 m. Tree or shrub 2.5 m. Fl. ? Fl.

Thickets

19486. *Peronia*. ^{glutinosa} A. locally in *Ternstroemia* - Mel. wood stand 450 m. ^{40-70 cm.} Fl. pink.
88. *Neurolethrum* P. in a moist gully. 450 m. Tree or shrub 1-1.5 m.

Herbs

19487. *Gleichenia*. A. edges of a gully. 60-60 cm. Leaves fullish.
93. " Edges of gullies. 80-80 cm. Leaves very glaucous. below.
94. *Lycopodium cernuum*. In gullies. 50-80 cm.



Toya Range & Mt. Toya

Flora of Mt. Toya (3200m.).

194177. *Melaleuca leuc. var.* ^{guineensis} A. in scrub. Shrub 1.5-3m. Bark papery. Fls. gr.-wh.

78. *Prostanthera* ? C. shallow rocky soil exposed limestone. Shrub 25-35cm. Young pale purple fls. Compact, bushy. Leaves thick & shiny.

79. *Ericella elongata* ^{lenticellata} P. tree or shrub 1-4m. Fls. golden yellow, leaves silvery below.

80. *Abutilon* F. in Melaleuca-Tasmannia scrub. Shrub 1.5-2m. Fls. yellow.

81. *Grevillea* Open sandy soil in scrub. Fls. reddish-pink.

82. *Hibbertia* A. as 8.3. in scrub. Shrub 30-40cm. Fls. pale yellow. Leaves grey below.

83. *Grevillea* ^{sp. nov.} P. in open rocky situations. Shrub 25-30cm. Fls. cream. Fls. ^{red}wh.

84. *Hedysarum* Rare. Shrub 50cm. Fls. wh. stiff fleshy leaves. (C. sp.)

85. *Leptospermum* "Japanese tree". A. open exposed rocky places. 1-1.5m. coriaceous & often sprawling. Fls. white.

86. *? Metrosideros* ? C. open rocky situations. Shrub 15-20cm. Fls. wh. lvs. salmon-pink.

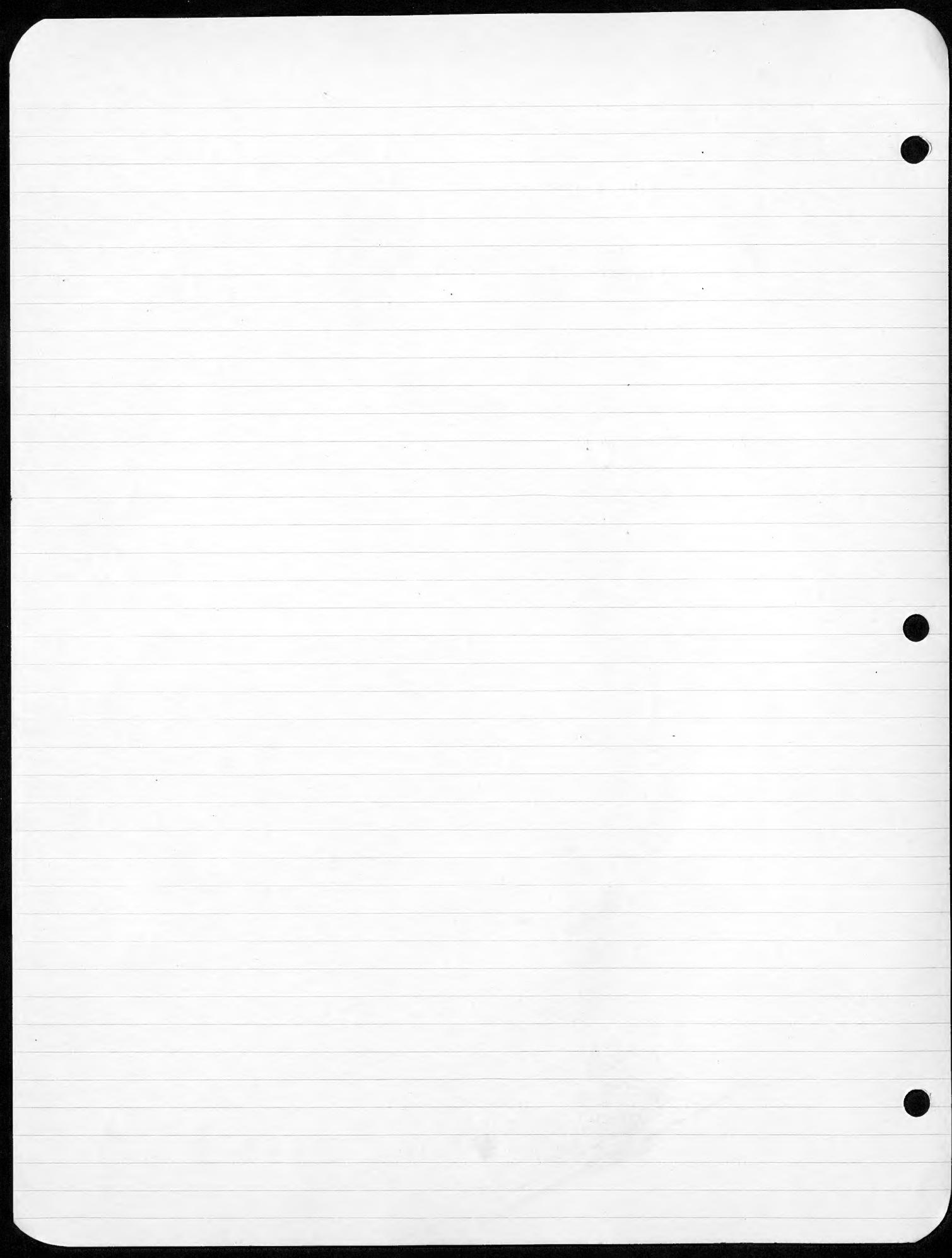
87. *Utricularia* Small patches of moist soil in crevices of exposed granite rocks 8-17cm. Fls. purple & blue

88. " " 2-5cm. Fls. dark purple.

89. *Moss* Foliage-moist places on exposed granite rockfaces.

90. *Daphne* Living branches in scrub.

19512. *Dendrobium* P. on bare granite rocks. 10-25cm. Fls. purple-mauve fls.



Whitlock 60 m.

Browns Creek, Pasco River

Galley rain forest

Brushy forest of ^{floodbanks} islands in creek

Tananna forest

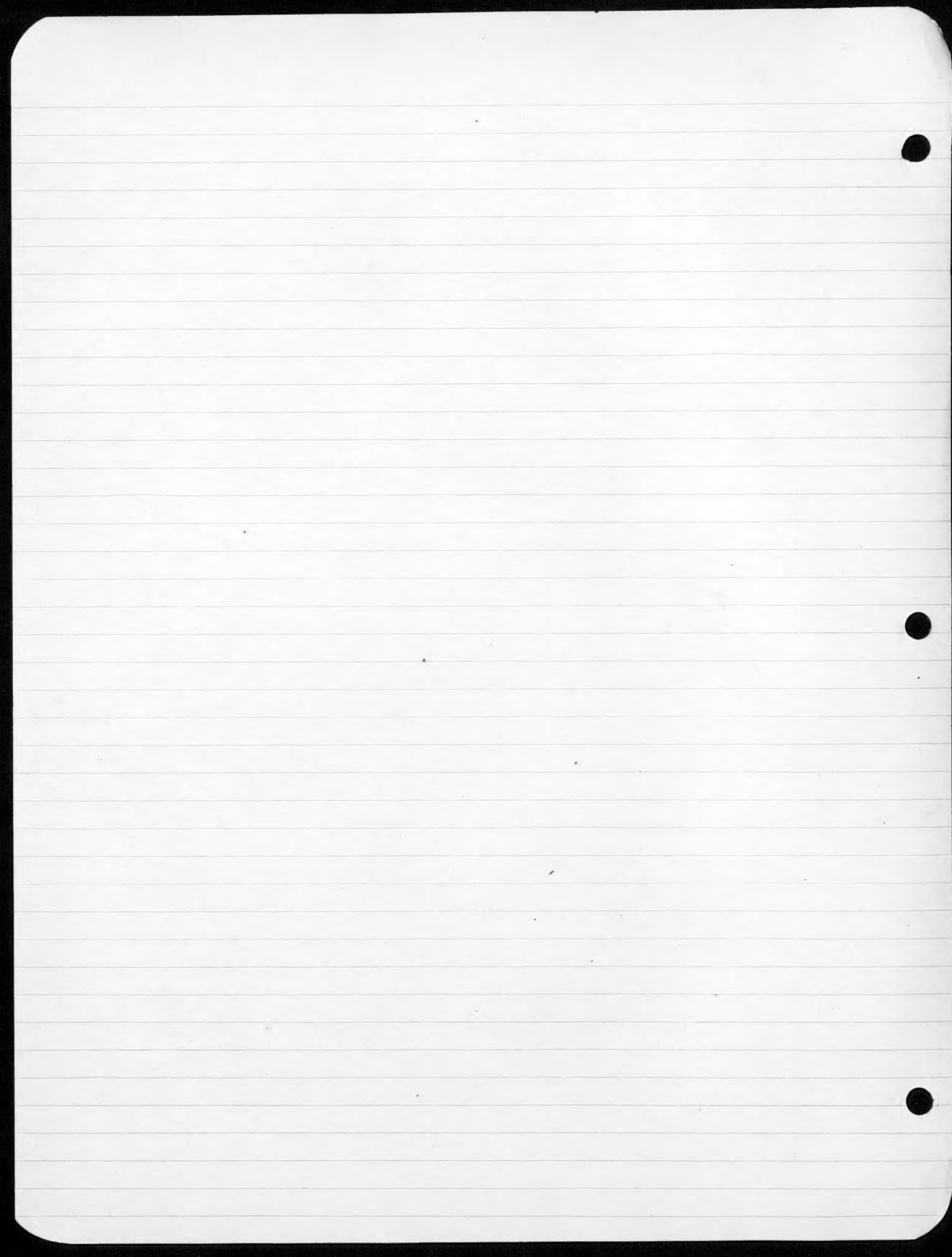
Turkey bush

Leptostromum forest

Bog forest. (Pitch-plant bog).

Shrubby growth on low floodbanks of creek.

19560. *Thara submollis* Nordstedt. Totally submerged in rocky shallows of creek.



Phuross Forest

Gathering rain forest

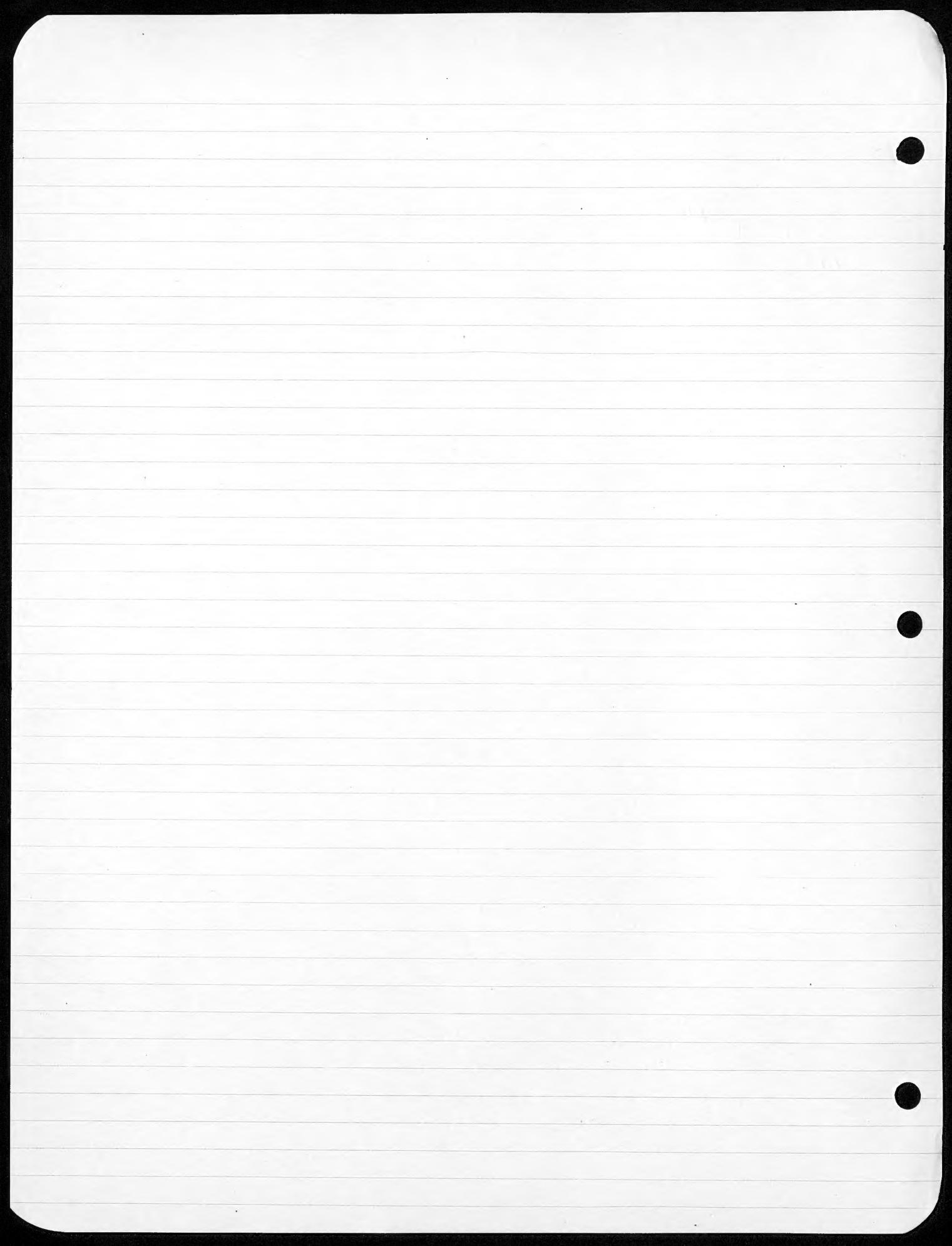
Trees *Mitchella* like foliate

195-81. *Antidesma*? C. on flood banks. 6-10 m. fl. ? Flavory bark.

1964-5. *Paranea* 5-6 m. fl. ? fl. purple.

Vines

195-86. *Messerschmidia reticulata*. Twining & climbing 7-8 m. fl. cream. Short-like cymes below.
pink green below.



Brown's Creek

Brushy forest of floodbanks & islands in creek

Trees

19185. *Baileya*. C. on gravelly low floodbanks. L 18 m x 85 cm. Leaves dark green. Bark grey, fibrous, shallowly fissured.

19538. *Erythrina?* C. 4-5 m. Fls. ? Ft. purple-black.

40. *Pandanus* F. 4-5 m. (= small shr. of *Stenocarpus* 16 Big & Taper Range?)

79. *Euph.* 10 m x 15 cm. (In turkey brush as a shrub. At the Mani River).

82. *Prot. (Rhamnus?)* ^{70 ft. high} 3-6 m. Fls. gr.-wh. Ft. 7 cm.

19604. *Baccharis halimifolia* F. 10-12 m x 20-25 cm. Fls. gr.-wh. Ft. ? Bark pale to yellowish

Shrubs

19531. *Myrtilles* F. 1.5 m. Fls. ? Ft. purple.

37. *Ficus* Brushy island. 1-2 m. Trunks bare.

56. *Abutil.* O. 2 m. Fls. yellow. Ft. black.

57. *Elytropodium fiduciatum* 1 m. Fls. ?

74. *Tarmania Dallachii* 1.5 m. Fls. ? Lfts. gr.-yellow, distinct fl.

81. *Buphanis*. One example on creek bank. 2.5 m. Fls. cream. Ft. ?

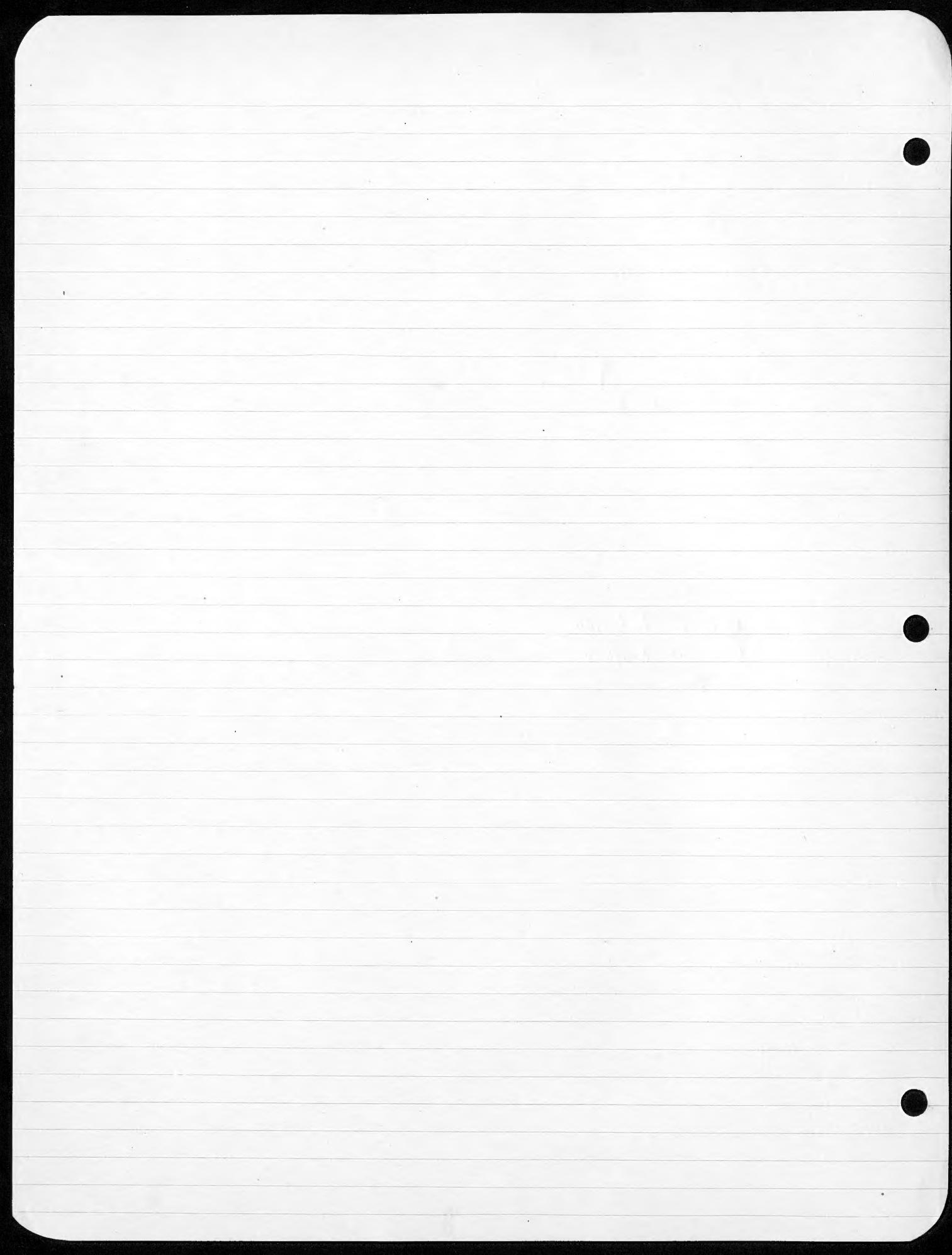
85. *Fraxinum*. Lvs. small on moist banks.

Herbs

19557. *Schiz.* Gray. in semishade 100-150 cm. Mats pale brown.

58. *Panicum* moist shady banks of creek. Grayish & slender 50-60 cm.

19605. *Fern*. Gray. in semishade. 30-50 cm.



Brown's Creek

Mesomol forest of sandy ridges.
Bloodwood forest of low " "
Bloodwood & mesomol " "

Trees

19643. *Zachlostrophia*. O. on high banks of streams & rocky bluffs. 5-10 m x 20 cm.
Flowers yellow. Deciduous & with few leaves.

19180. *Passovia* F in bloodwood st. 7-10 m x 15 cm. Fl. yellow. Rough dark grey bark.

19554. *Eucalyptus* Bloodwood. Often principal tree on sandy ridges. 10-20 m x 15-50 cm. Fls. cream.

73. *Alphitonia* O. in bloodwood st. 7-8 m. Fl. orange.

80. *Trilepis striata* O. " " 15-12 m x 20 cm. Fls. cream.

83. *Trilepis*? Scattered on high dry creek banks. 5-6 m x 12-15 cm. Fl. ? Fl. pink.

84. *Melaleuca* ~~foliolosa~~ Lowest trees 6-8 m. on a scrubby granite bluff on creek. Brown on trunk & leafless; bark grey, scaly. Scale leaved st. Mesomol. At char. tree of flat sandy ridges. 7-25 m x 30-40 cm. Fls. cream. Trunk straight; grey strings bark.

19630. *Euc. leucocarpa* O. in mesomol/bloodwood st. 6-8 m x 12-15 cm. Fl. ?

83. *Hydnocarpus*
82. *Myrsinace* Tenu. var. Scattered on banks of watercourses. 6-25 m x 30 cm. Fl. white. White & scaly bark.

50. *Pandanus* A moist gully & creek flats. 7-10 m. very large fruit clusters. Fls. white

Shrubs

19164. *Xanthorrhoea* V.A. in mesomol forest. Total height to 2.5 m. Stem 1-2 m. diam 30 cm.

66. *Helicia* angustifoliae F. in grass & scrubby v.g. of mesomol st. Branch 1.5-2.5 m. Fl. purple

75. *Distichostema* ? *hispidulum* I visited shrub 20-30 cm. Fl. orange.

81. *Hibiscus* C. in st. (Bloodwood/mesomol) at camp. 2-3 m. Fl. white, blue, purple.

87. cf. *Eremia*. P. in bloodwood st. of sandy ridges. Prostrate branches to 80 cm. long. Fl. ? Fl. ripening under ground.

88. *Messerschmidia* J. in bloodwood st. 50-60 cm. Branches upright.

93. *Plumbago*. tiny, small groups in bloodwood st. 1 m. Fls. green. Fl. ?

19608. *Messerschmidia* moist sandy flood bed of st. 2 m. Fls. very purple. Fls. pink.

31. *Asplenium* F. bloodwood/mesomol st. ridges. 60-80 cm. Big pub yellow fls. leaves brown - pub. below. (Sanding also).

38. *Allocaea* P. in mesomol/bloodwood st. 2 m. Fl. white. Stem crenately 1.

Herbs

19168. *Malanga*. C. locally in mesomol st. of sandy ridges. 60 cm. Fl. - fls. Fl. red.

82. *Meconit.* O. open grassy creek flats. 80-50 cm. Fl. pale purple.

87. *Thymelaeace* C. sandy st. 20-30 cm. Fl. lavender

19536. *Malabarica* scattered in grassy floodbed of creek. Ascending stems to 1 m. Fl. blue

67. *Tom.* F. dry, stony hill sides. Prostrate branches 1 m. long. Fl. blue

75. *Thymelaeace* One plant on open sandy flood bank. 35 cm. Fl. lavender. Ascending

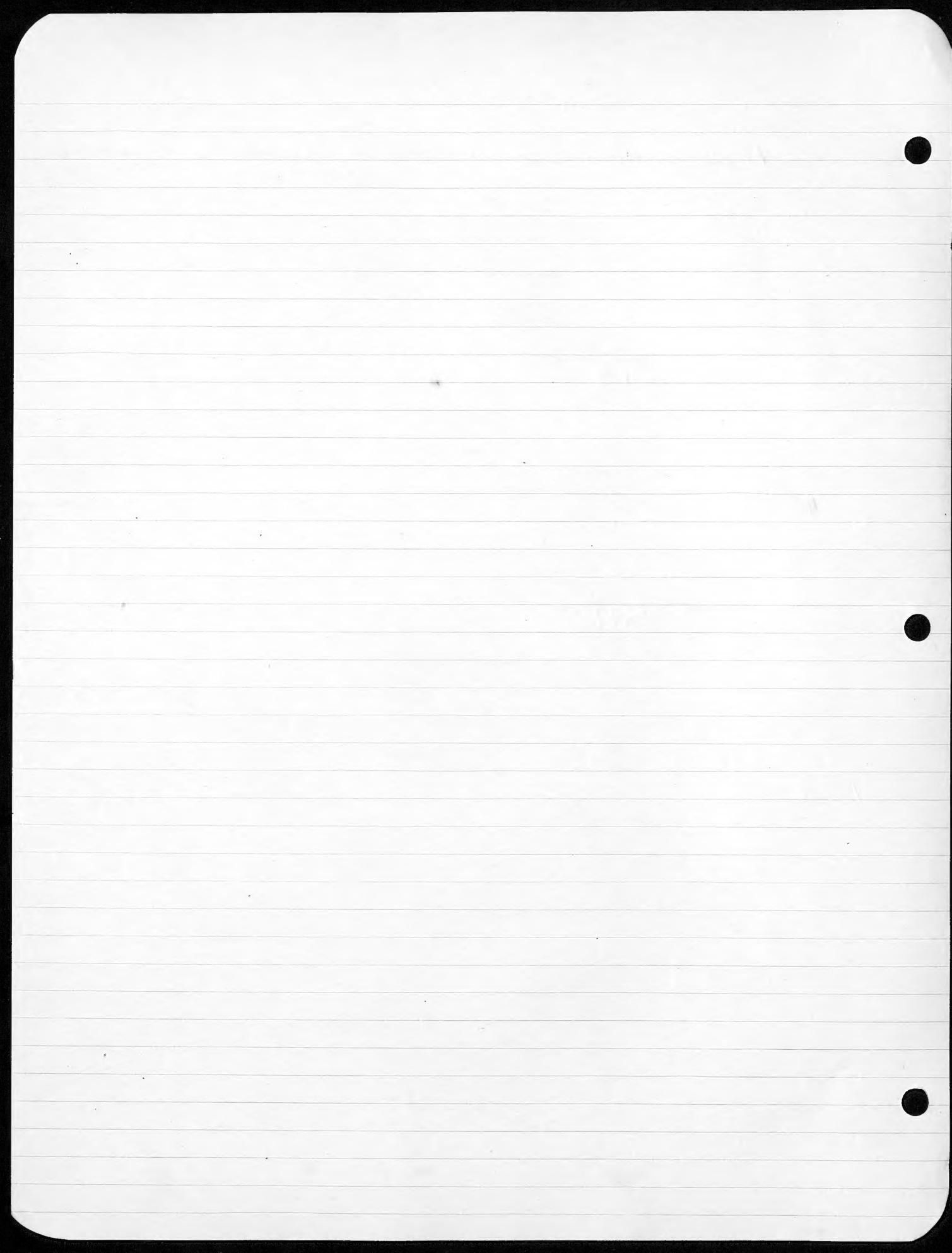
77. *Alcanth.* C. open sandy flood banks. 30-30 cm. Fl. white, speckled pink.

82. *Pholidium longissimum*. " " edges of creek. 20 cm. Fl. yellow.

19640. *Sylium* P. on moist hill sides in a creek. 5-30 cm. Fl. white

61. *Whipplea* Scattered " " " Fl. purple. 10-25 cm.

44. " " " " " Fl. pink & blue.



Brownie Th

Savanna forest

✓ Evans

19532. *Bleistochloa*? Tufts on open sandy floodbanks. 40-60 cm.
 33. *B. in* sandy flood channels & on higher sandy country. Blends in.
 33: *Heteropogon incisus* Scattered in open sandy floodbeds. Root-clumps 1.5-2.5 m.
 34. *Aristida browniana* C. in meadow St. ^{Stiff} Very left 120-150 cm.
 29. *Aristida* - like ^{grass} _{grass} One of major grasses in meadow/ floodwood St. ¹¹⁰⁷²⁰²⁴ Wing clumps
 35. *Poa* clumps in St. 60 cm. Spikes purplish.
 38. *Panicum* Tufts on dryish silt in creekbed. 15 cm.

Lidya

19541. *Physostegia*? Not sandy edges of a waterhole in creek. Tufts 20-110 cm.

42. *Typha* " " " " 30-50 cm. 3-angled stems

43. *Fusina* " " " " 40-50 cm.

44. *Typha* 1 plant " " " 60 cm.

45. " " " " 20-35 cm.

46. *Fusina* scattered " " " 80-100 cm. Thick stiff 3-angled stems

47. " " " " 60 cm.

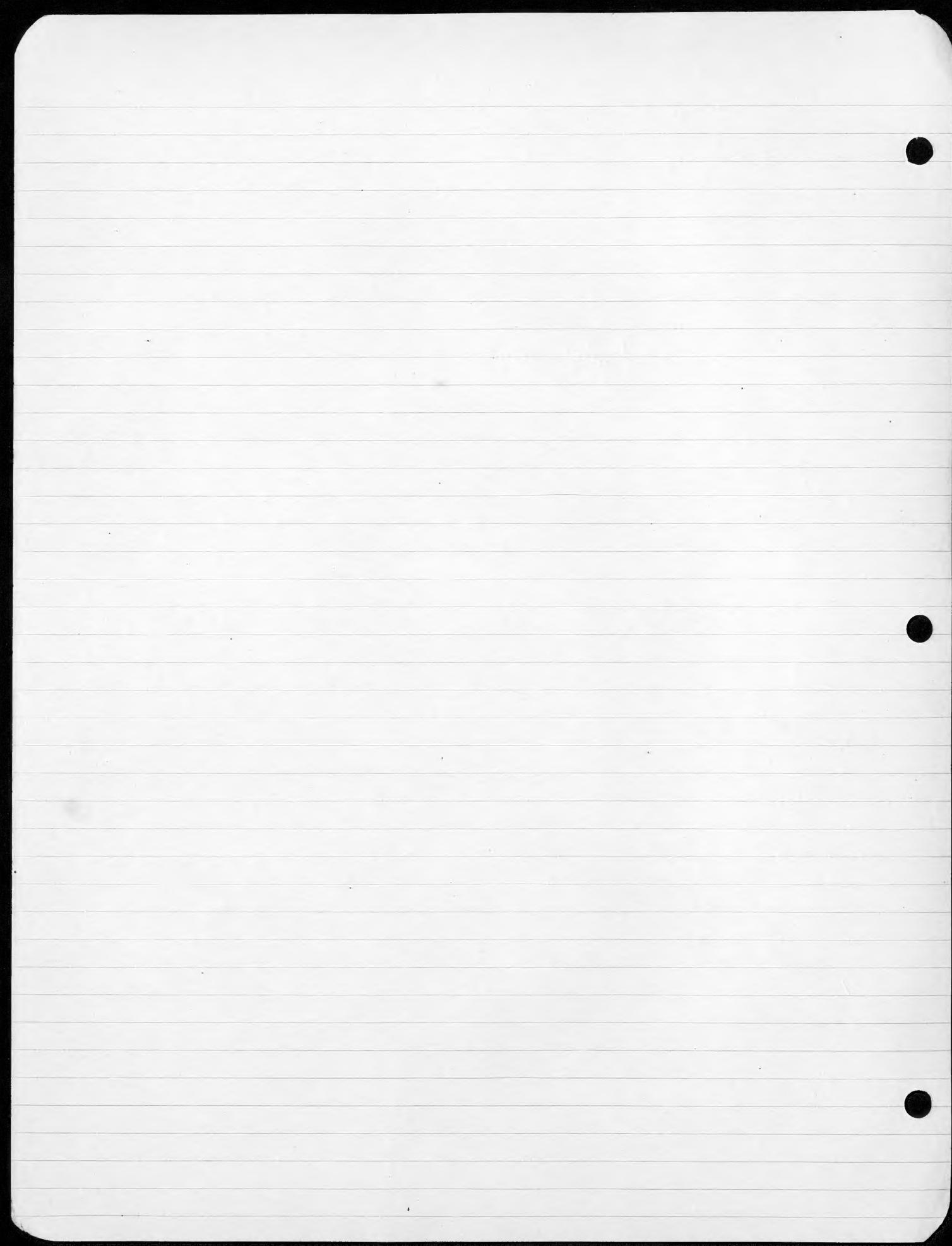
19606. *Schizandra* ^{schizandra} _{leptophylla} Open sandy floodbanks. Plants 70-120 cm. Mass white.

31. *Botrytis* Principal ground cover of mesic floodwater S² & S³ slopes sand. Clumps of numerous very slender 30-70 cm.

Yours

19534. Bon. *Thlaspi 2 m. a prostrate & spreading fls. pink.*

19632. *Ferrytha*. *C. ca* *grows* *on* *rocks* *&* *rocks* *in* *St* *Fl.* *near*.
 36. *Tormentilis*. *On* *mesomediterranean* *area*. *Boulders* *1m*. *The* *yellow* *red*.
 37. *Niccum* *On* *Tormentilis* *sp.*



Brown's Th.

On sandy ridges of flats.

Turkey bush.

Trees

19174. *Eucalyptus obliqua* (Lam.) Don. slender tree 3-6m. fls. rich golden yellow.
19583. *Acacia* C. overtopping tree 6-8m. bright yellow fls. + glaucous (P.A. 100%)
741. *Eucalyptus* Locul. .. ~ 10-12m x up to 80cm. on sandy ridges. Th.?
Bark - barked stem; smooth grey branches.
S. overtopping tree 8-10m x 10-20cm Th.? slender, straight trunk; small crown; pubescent grey bark.

728 *Phelsuma*

Shrubs

19169. *Acacia* ? O. in shrubberies of sandy ridges. Bushy, 30-60cm. fls. white.
70. Euph. F. slender, 1-2m. fls. yellow. Leaves shiny above, grey below.
71. *Alpinia* "One of the chief species". 1-3m. fls. wh.
72. *Fenglia* Locally D. 2-3m. fls. pink.
73. *Lignum*. P. locally. 1-2m. fls. yellow. Leaves grey-green
76. *Nephromia* C. .. 1-1.5m. fls. purple
77. *Eucalyptus longicornis* ? Lm. stony ridges. 60cm. fls. Th. very viscid.
78. Part off. *Boronia* A. locally sandy ridges 20-40cm. fls. gr.-wh. Th. orange.
841. *Acacia* ? P. 1-2m. fls. violet. Roots inflated.
19539. Euph. P. 1.5-2.5m. fls. ? fls. green (also *Sarcococca* P. 2.5m).
50. *Santal*. O. to 2m. fls. orange-yellow (all way to 7m).
52. *Myrsi*. P. locally sandy flats & ridges. 30-50cm. fls. wh., pointed.
62. *Rubi*. P. 30-60cm. fls. wh. Fls. aromatic leaves. (also *Sarcococca* P.).
64. *Dodonaea* C. 10-2.5m. fls. ? fls. wings purplish.

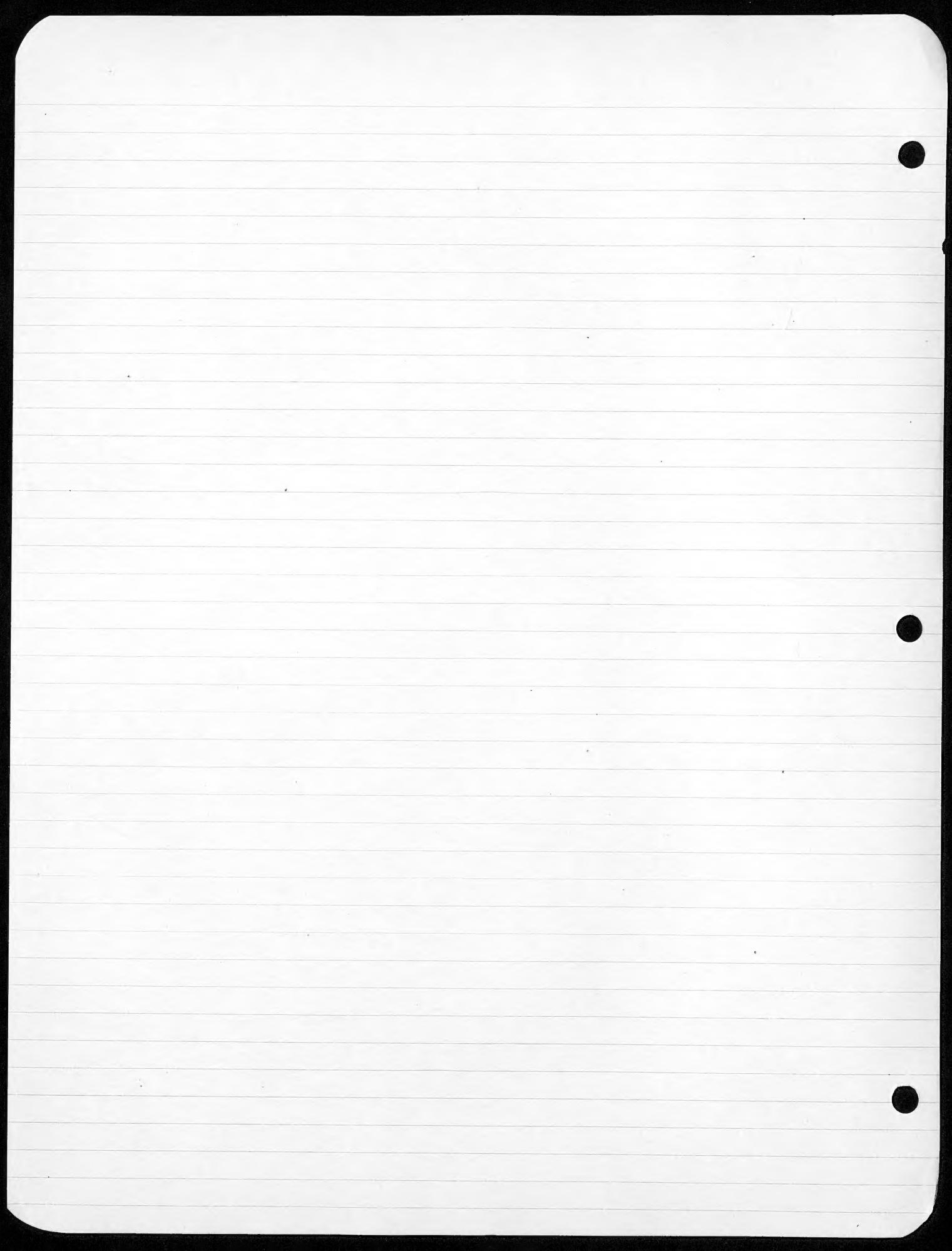
Herbs

19548. *Sylium* Locul. on open sandy ground. 3-6cm. Showy rose fls.
51. Euph. C. woody herb 50-80cm. Showy leaves. Entangled fls. cymes (P. 2.5m).
65. *Acanth*. Scattered in scrub; often on old eroded termite hills. 2.0-60cm. fls. purple.
71. *Alatocarpus* C. locally. 40cm. Ascending; bushy.
19631. *Thlaspi* Principal ground cover (also of SF). Many clumps of numerous stems 50-70cm.

Grasses

19528.

Sp. on burned over sandy ground. Blt. thick leafs 15-20cm.



Brown's Th.

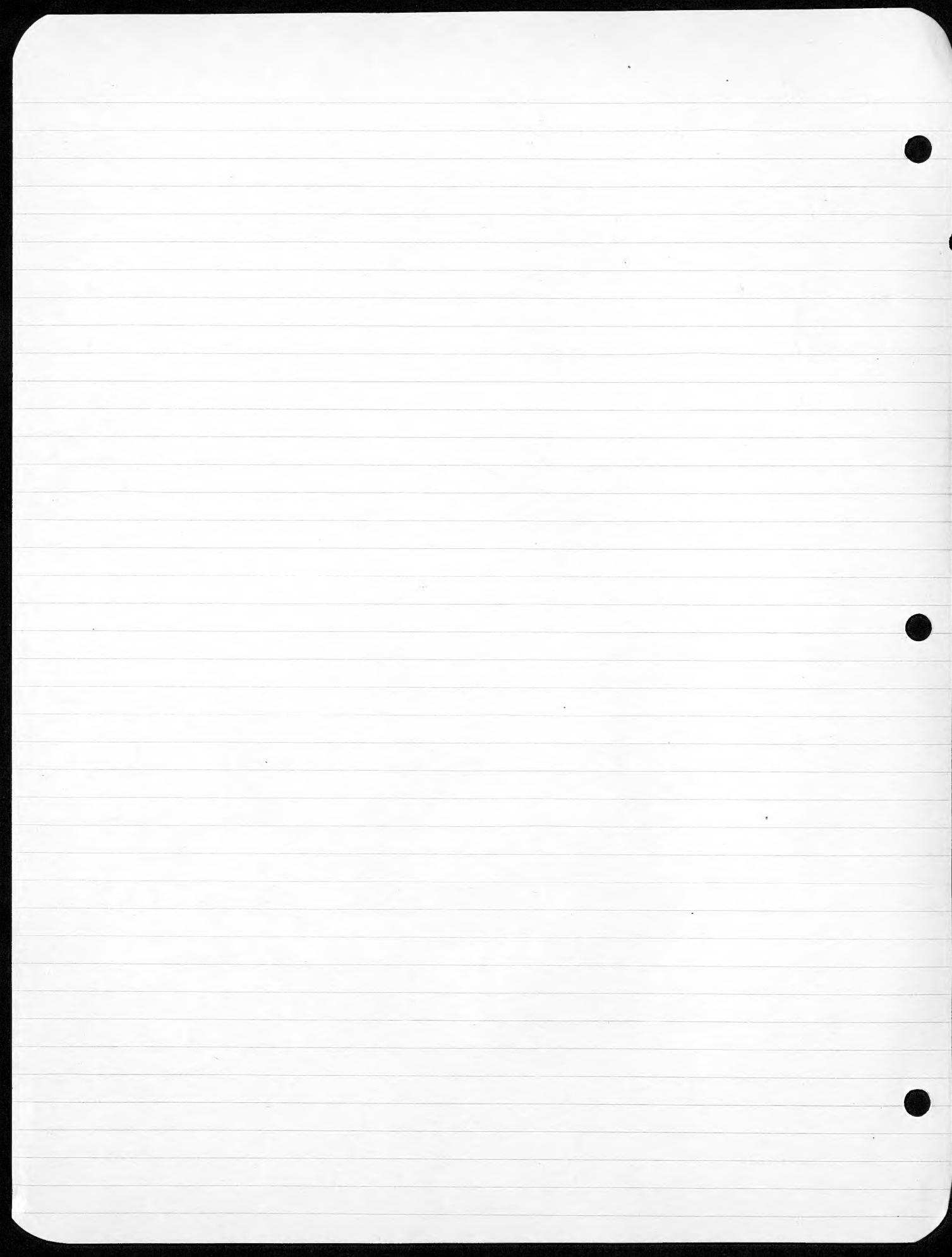
Turkey bush

Shrubs cont-

19568. *Phytanthus* ? S. 50-70 cm. Fls. pale green.
69. *Opuntia* F. compact, bushy 30-50 cm fls. wh. Leaves & spines green.
72. *Distichlis tenuis* O. 40-70 cm. fls. green. Fl. green, infl. green.
73. *Zizyphus* A. on stony ridge. 1.5-2 m. Fls. pink. Upright
branching habit; leaves grey below.
77. *Distichlis* O. 1.5 m. Fls. pale yellow.
19601. *Myrsinaceae* P. bushy or sub scandent.
49. *Lippia* *febrifolia* A. locally. Tree or shrub 2-4 m. Fls. yellow. Bark
grey; fibrous & fissured.

Parasites

19570. *Toromoshia* On *Acacia* sp. 20 m. Fls. red; bracts green.



Brown's TR.

Dry rocky granite ridges
dry conglomerate ridges

Tylospornum (?) some b.

Tree

19178. *Tylospornum* (?)

5-7 m. Pb. wh. More or less flat-topped & horizontally
branched tree. Bark thin, smooth, purplish red.

19553. Lycon.

Several stems. Thins 60-100 cm Pb-yellow. Leaves spine tipped.

19554. Melaleuca

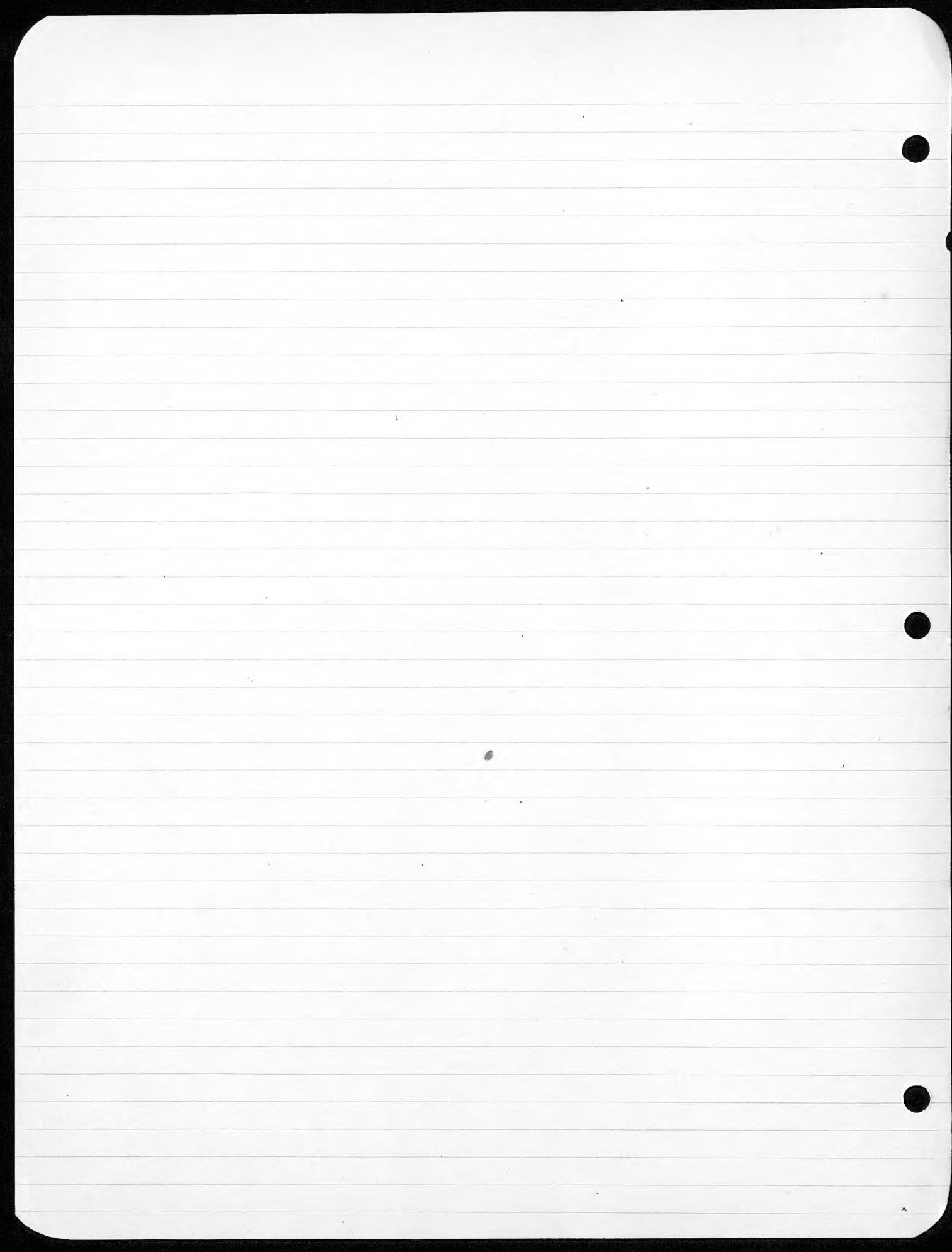
In scrub on dry conglomerate ridges. 4-6 m. Pb. ? Purplish-
topped small tree with whitish papery bark.

55. Fern.

Xeris sp. To an nearly bare stem with 20-40 cm.

86. "

C. leucaly " " " 10-20 cm.



Browns Th.

Ledge & Pitcher-plant bog

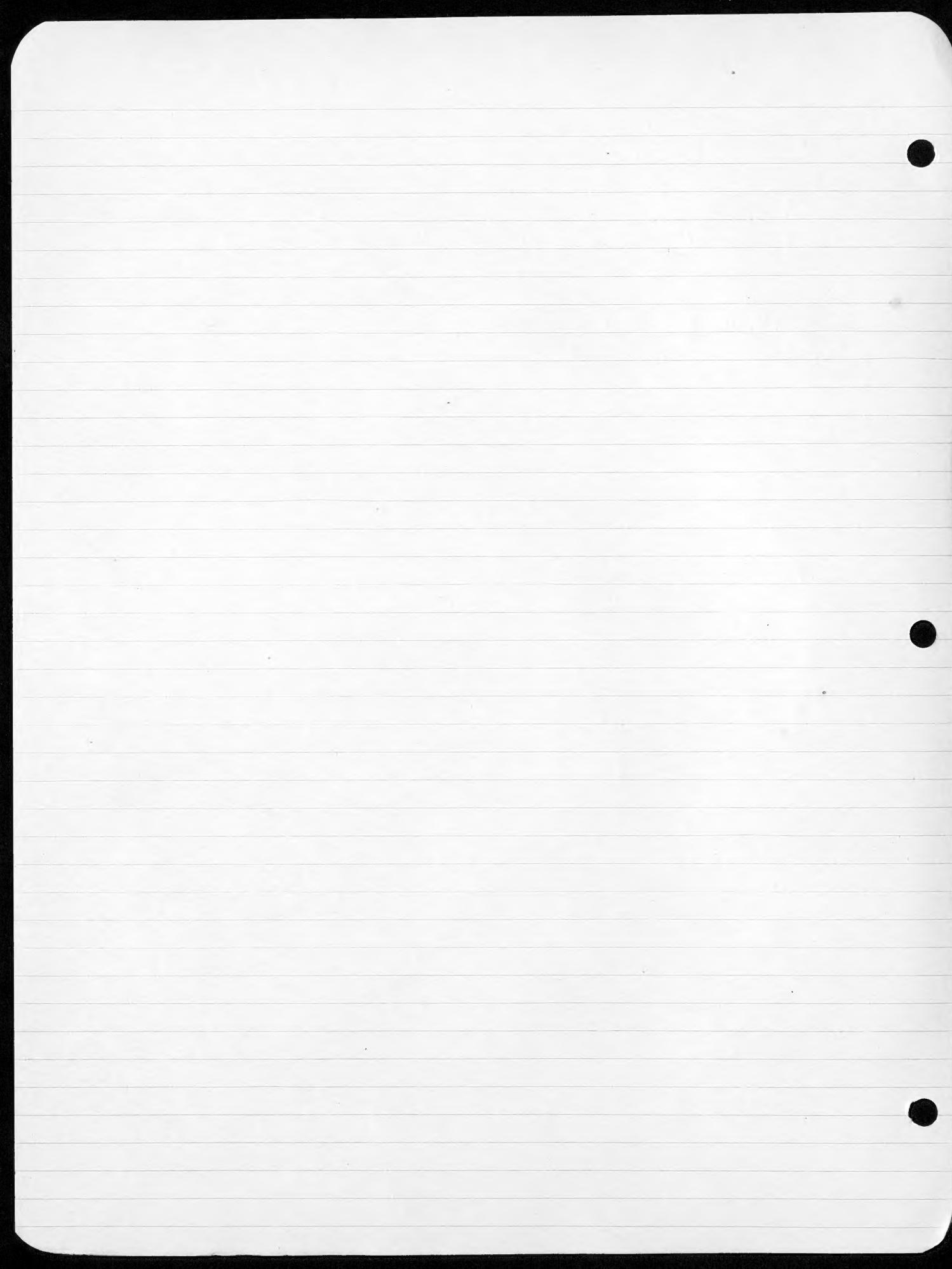
Woodly plants

19601. *Rhipsalis* A. subcandent, up to 1.5m. ^{- 2m. reddish-brown.} Fls. with strong rosemary smell.
14. *Phytolacca* ^{var.} V.A. Dwarf tree a shrub 1-2m. Papery wh. bark. (= *Scandens* & *Stans*cauda Bay form?)

Again lyngbyata.

Herbaceous plants

19561. *Coch.* Scattered amongst sedges. Ht. ^{up to} 30-50 cm. Fls. br.-green with white
19600. *Teph.* V.A. 80-120 cm. Leaf-leaves rigid & sharp, pointed (Skeleum?)
09. *Utricularia* P. 15-40 cm. Fls. yellow, showy
10. " " 25 cm. Fls. golden-yellow, reddish below = 19603?
11. " " C. on open ground. 12-20 cm. Fls. deep yellow, large shield-like br. -
br. carry lobes.
12. *Drama* C. 10-30 cm. Showy pink fls. Leaves green.
13. " " C. 10-15 cm. Fls. reddish pink. Leaves red.
15. *Phymatospora* O. on edges. 50-70 cm
16. *Typhodium cernuum*. Trop. on edges. 50-80 cm.
18. *Utricularia* O. 5-10 cm. Fls. purple with yellow spots.
19. " " F. 10-40 cm. Fls. rich dark purple.
20. *Malacarlis* F. 50 cm ascending, reddish branches. Fls. red. Distinct from other
local sp. - longer leaves.
21. *Eriocaulon* Scattered in bog. 30-50 cm. Heads whitish
22. *Xyris* " " 25-40 cm. Very small yellow fls.
23. *Utricularia* 10 cm. Fls. yellow.
24. *Scirpus*? O. 50-70 cm.
25. *Orthoceras* One example edge of bog. 80 cm. Showy red purple fls.
26. *Tulipa* Trop. in dense patches 2-3 m. high. Leaves numerous. Fls. red.
27. *Erica carnea*. Tufts of bog. 10-15 cm. Heads pale brown
28. *Coch.* P. to 1m. Bracts only (inf. purple to).



Brown's Bl.

Low gravelly banks & islands.

Shrubby growths on low floodbanks of creek

19183. Myrsin. F. shrub 1 m. Fl. cream. Fl: 1'

86. *Borsiera phyteuma*. F in shrubs. Shrub to 1 m. Fl. yellow. Flowers.

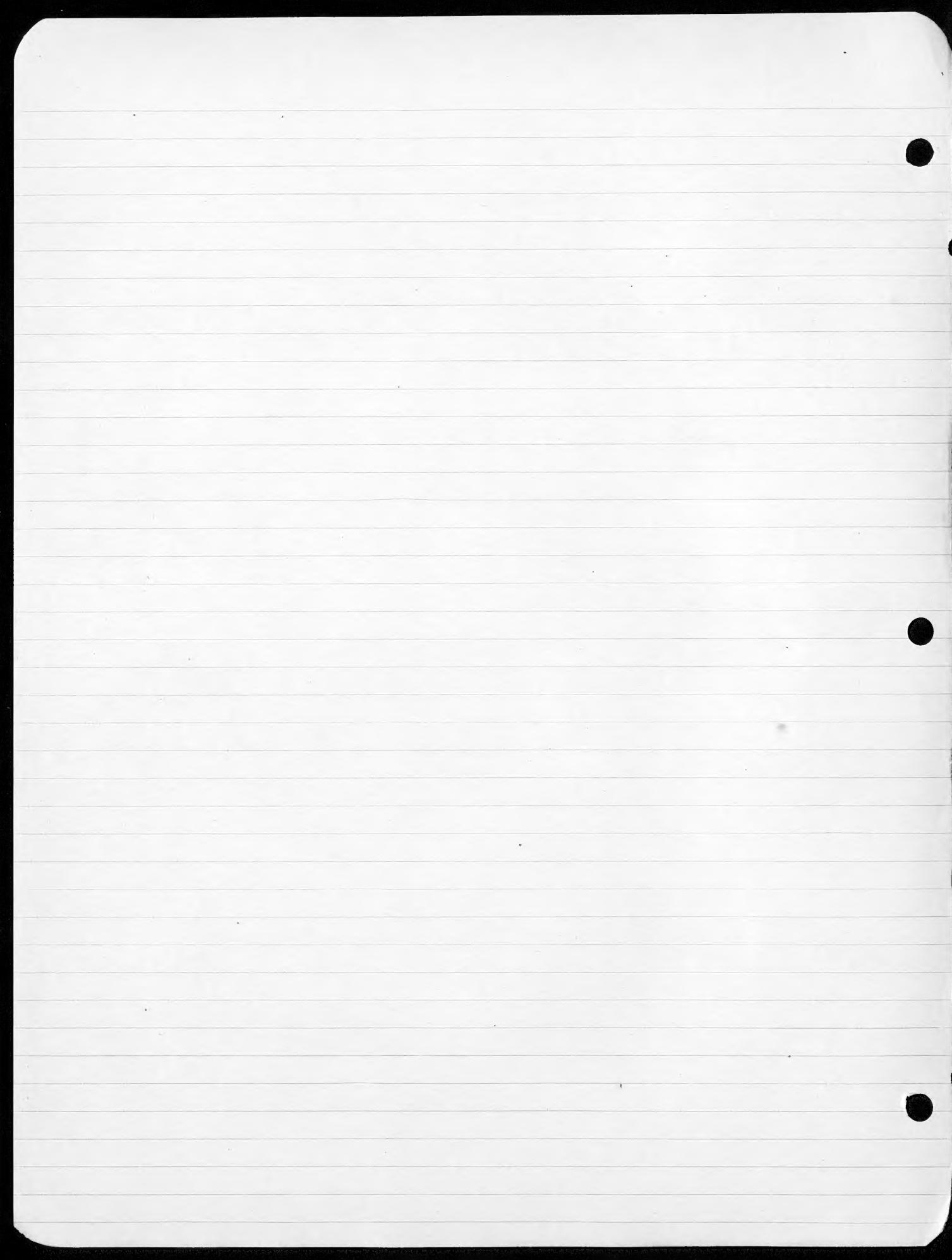
19528. *Myrsin chrysodendron*. F. slender tree 5-6 m. Fl. golden yellow. Leaves glossy below.

29. Typ. Scattered drooping tufts 30-50 cm. Fl: white.

76. *Phytolacca*. Herb 40-60 cm. Fl. reddish.

78. ? O. 1.5-2.5 m. Fl. red. Fl: 1-4 lobed. (Succulent species).

19603. Euph. *Myrsin* small buried flood-resistant sp. 1 m. (Same of) *Myrsin* (large & N. species also).



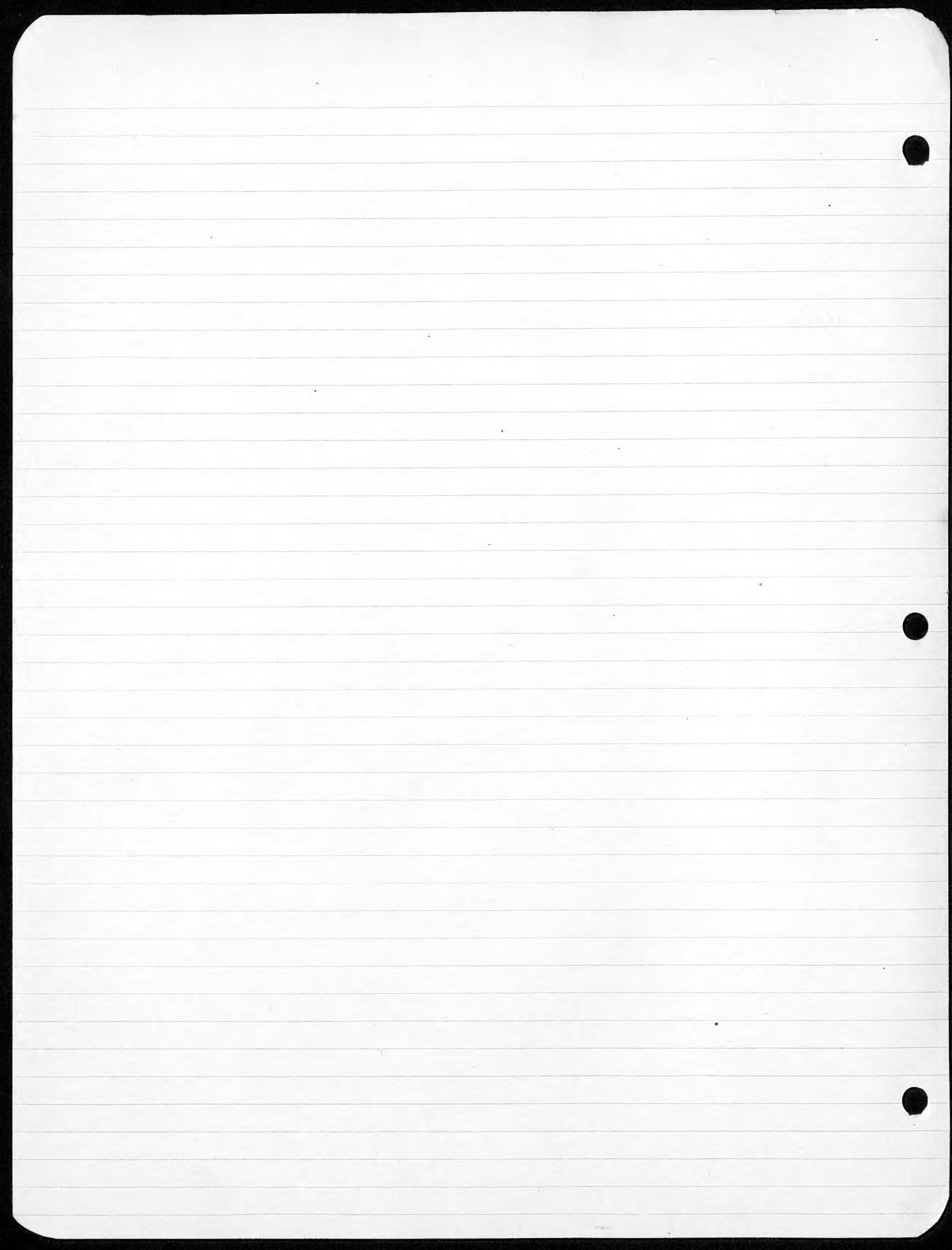
Wenlock, Patagonia River

alt: 150 m.

- Savanna forest

River channel

Rapids across river.



* Young shoots flowering after a grass fire
which destroys all aerial parts of the plant.

Bloodwood/mimosa of dry conglomerate
hills.

Sandy flats - Bloodwood

Mimosa/Bloodwood sandridges.

Wenlock.

Savanna Forest

Herbs

19666. *Tristania*

Scattered in Bloodwood/mimosa of dry conglomerate hills
6-7 m. Hts. ? Bark grey, fibrous (Jellor-fl. Toekentris Ht.)

68. *Myrsus* ?

C. on banks of gullies on rocky dry conglomerate hills. 4-6 m.
Compact tree. Hts. ? Fl. green

69. *Dodonaea*

O. in dry open ST on crests of conglomerate ridges. 5-6 m. Fls. ?

Fl. wings purplish. (sh. of Toekentris Ht.)

S. in ST of both sandy flats & stony ridges. 8-10 m.; branches
pendent. Hts. ? Fl. yellow, dichotomous.

70. *Galactinia* ?

S. 6-8 m. Hts. ? Leaves grey-green, pub. below

73. *Phalaenopsis* var. var.

O. in sandy gullies. 1-8 m x 20 cm. Fls. pale green. Leaves grey green.

74. *Eucalyptus*

"Bloodwood." This & mimosa major trees of dry conglomerate

ridges. 10-15 m. Fls. green (small fl. sh. of P. Banks & Brown's fl.).

A. in Bloodwood ST of sandy river flats. 8-10 m. Profusion golden-
yellow fragrant fls. Fls. 3-4 mm, narrow, 2-flowered.

C. on eroded banks of dry gullies. Scale-bark 1-7 m x 20 cm. Fls. white
pale grey bark.

19703. *Mimosa*.

16. *Melaleuca*

Shrubs

19667. *Epicad*

C. on edges of dry gullies. 1-5-2.5 m. Fls. wh. (tip. bases of fls.
L. on rocky ground of conglomerate ridges. Suberulent 1-3 m. Hts.
sometimes moniliform. Hts. ?

River flats. Fls. purple.

River flats. Fls. purple pink. Inflorescences young fl. short from horizontal w/

75. *Myrsoc.*

* 85. *Tephrosia*

* 86. *Leymus*.

Herbs

* 19687. *Thlaspiace* P. locally on river flats. 10-15 cm. Rhizome white. Landing up
flowering shoots after burning of the grass.

19706. *Euph.*

Amongst grass in a sandy gully. 6-15 cm. Fls. pale pink.

07. *Leucad.*

One example " " " 18 cm. Fls. pinkish wh.

14. *Temp.*

F. dry sandy banks of gullies. 15-20 cm.

15. *Ornog.*

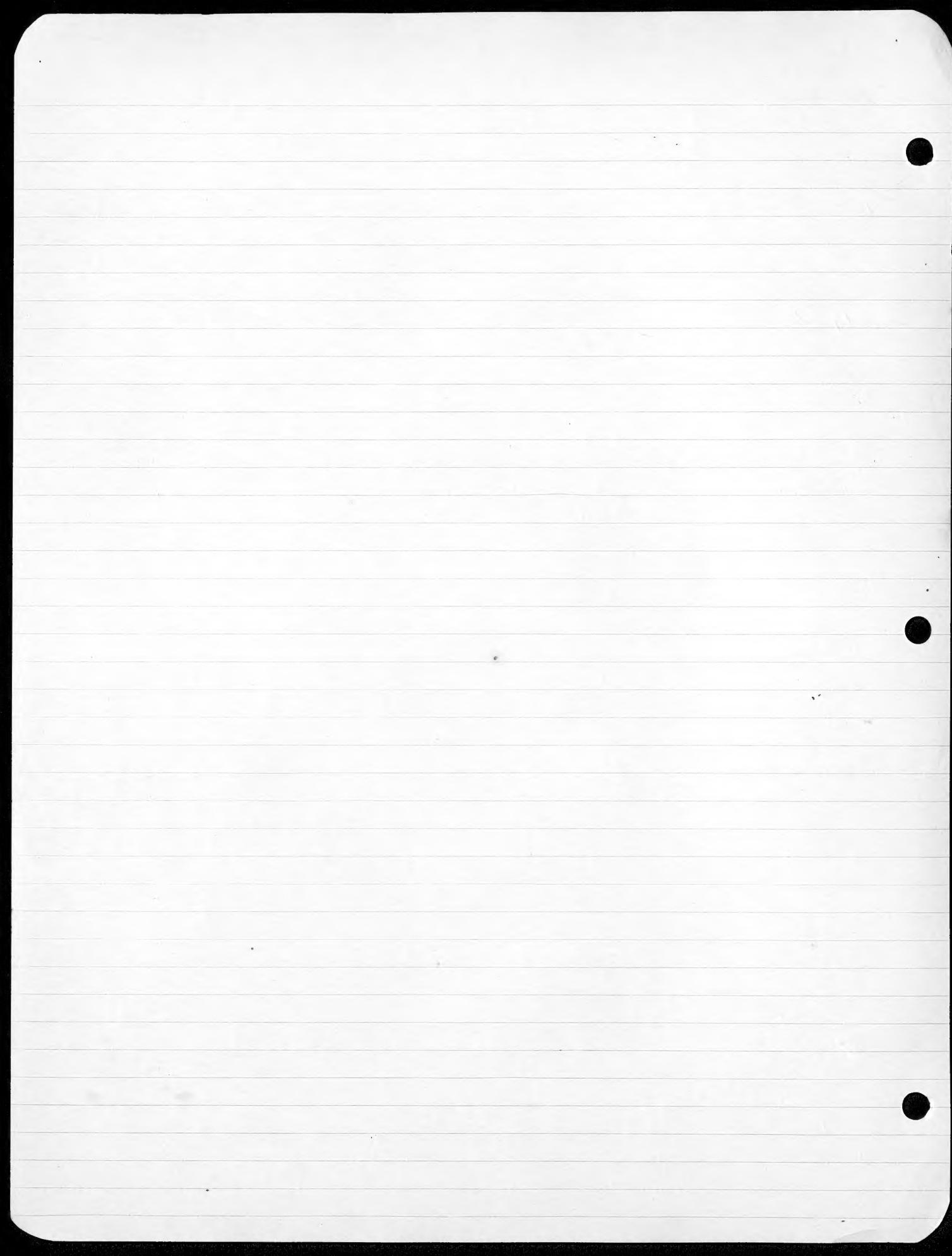
Amongst grass " " " 30-40 cm. Fls. yellow with white lobes

* 20. *Temp.*

Mimosa/Bloodwood sandridges. 20 cm. Fls. wh. disk yellow. Deep,
entangled taproot.

* 21. *Leymus*.

" " " 20 cm. Fls. purple. Deep, entangled taproot



Monsoons

Tanaman forms

Herbs, cont.

* 19722. *Goupi*.

Mesimal / Podoewood sandridge. 40-50 m. P. yellow. Def. naked
topsoil

Grasses

19678. *Eragrostis*.

Covering sandy bottoms of dry gullies. 100-130 cm (also other
camps). Scattered clumps assoc. with annual grasses on dry rocky
conglomerate ridges. 100-120 cm.

76. *Triodia*

Scattered on loamy banks of a stream. 70-100 cm. Def. wiry. Form
one example. Sandy bank of a gully. 8 cm.

19708. *Eragrostis*

" " " 18 cm P. wh.

89. ?

Loamy banks of a dry sandy gully. 50-70 cm (woody)

10. *Phalaris*

" " " 40-60 cm (woody; leaves ragged)

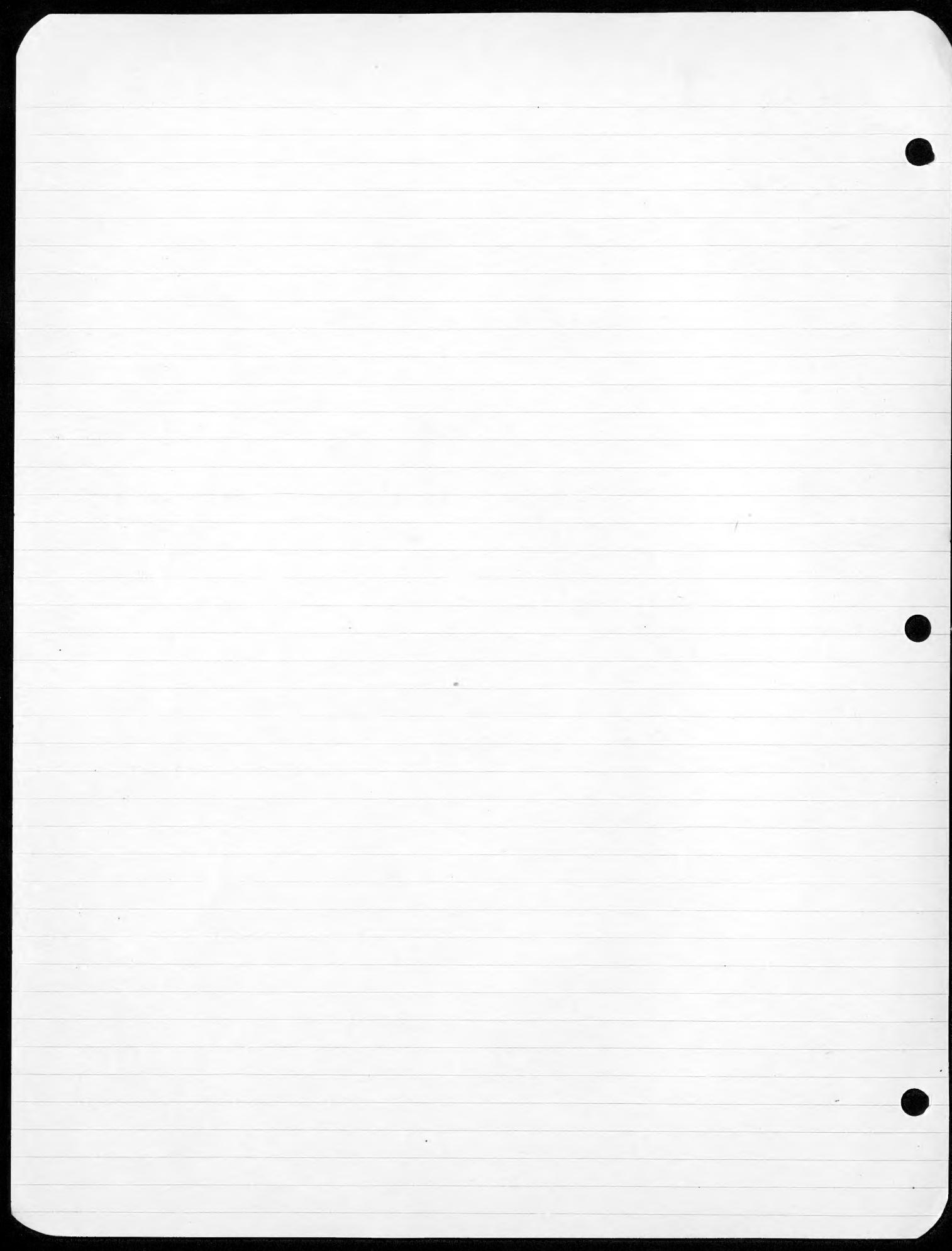
11. "

19712.

P. on dry sandy banks of a gully. 60-80 cm. weak or lacking
13. *g. Rottleria* " " " . Factors slender, nothing, 50-70 cm. long

Trees, cont

19723. *Eucalyptus leucoxylon*. "Mesimal." 18 m. sp. of open S¹ of ridges. 10-12 m
P. green. Leaves $\frac{1}{2}$ pinnate.



Present there was not seen in R-9.
at Iron Range & Togu Range.

Monlock

River channel

Trees

18687. *Baltisiana* V.P. in sandy flood channel. 5-8 m. Fl. big 6-7 in. Name
rare, branchlets drooping.

SI. *Tanakia* F. in gallery woods. To 12 m. Fl. br. white.

PI. *Alouardii* " " 10-12 m x 15-20 cm. Fl. cream. Fl. ? (also known
River, & Iron Range). Leaves mang.-like.

~~18717~~ ? Valley R. Q. tree 6-25 m x 40-50 cm. Fl. cream. Fl. delicate
= common scrubby wood tree of Iron Range).

18717. ? Valley R.Q. 6 m. Fl. cream. Fl. white

19. *Morinda*

Thubs

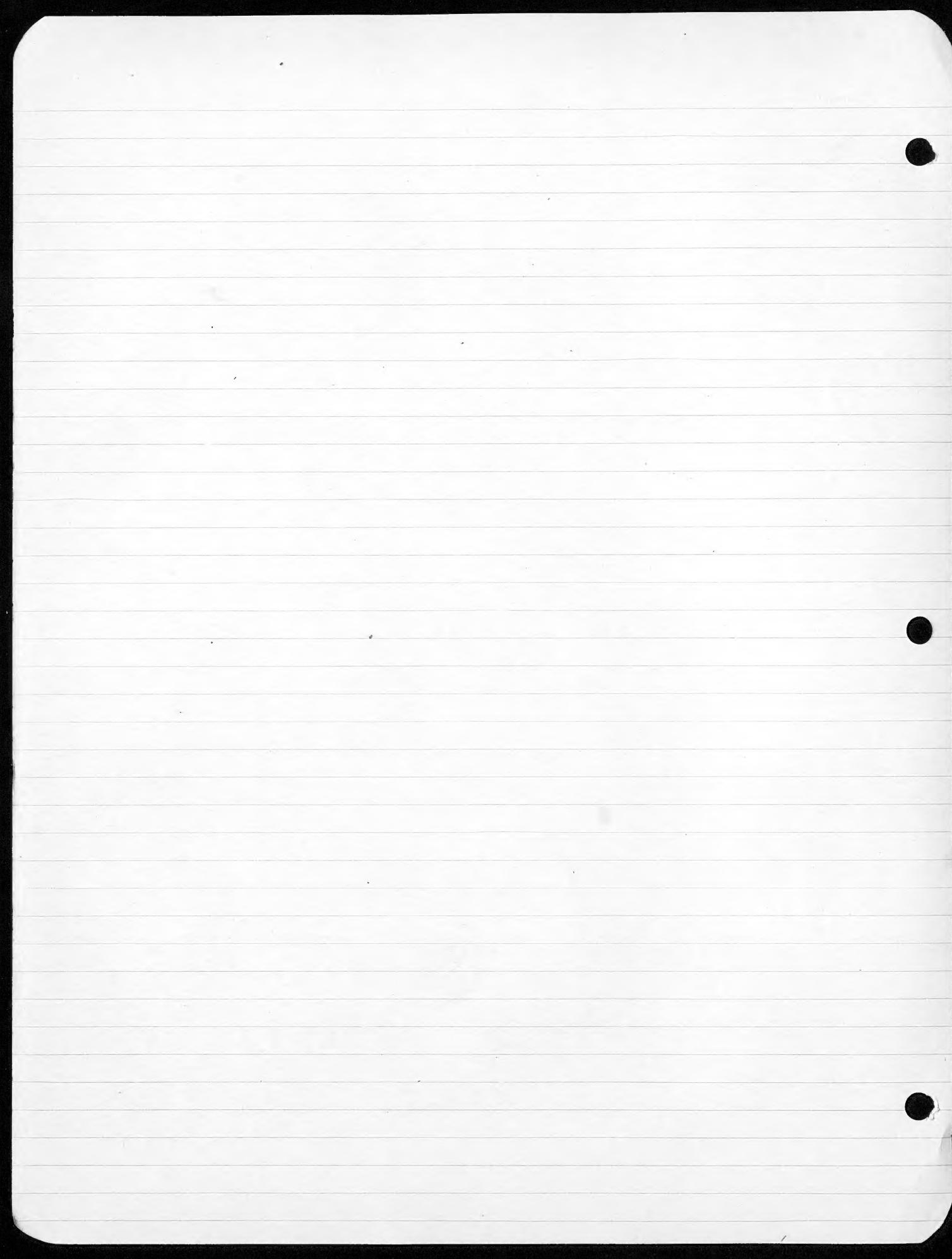
Herbs & grasses

18730. *Typhaceae* O. in open sandy channels. 10-100 cm. flag (cf. *T. Neesii*).
18688. *Acanth* flag. in small groups on shady banks. 30-50 cm. branching. Fl. dark purple

18704. " O. on wet sandy banks. 40-60 cm. t flag. Fl. purple

19. *Phytolacca* t shrub on moist grassy banks. Herb (?) 50 cm

18. *Phragmites* Name on sandy islands. 7-8 m. slender culms.

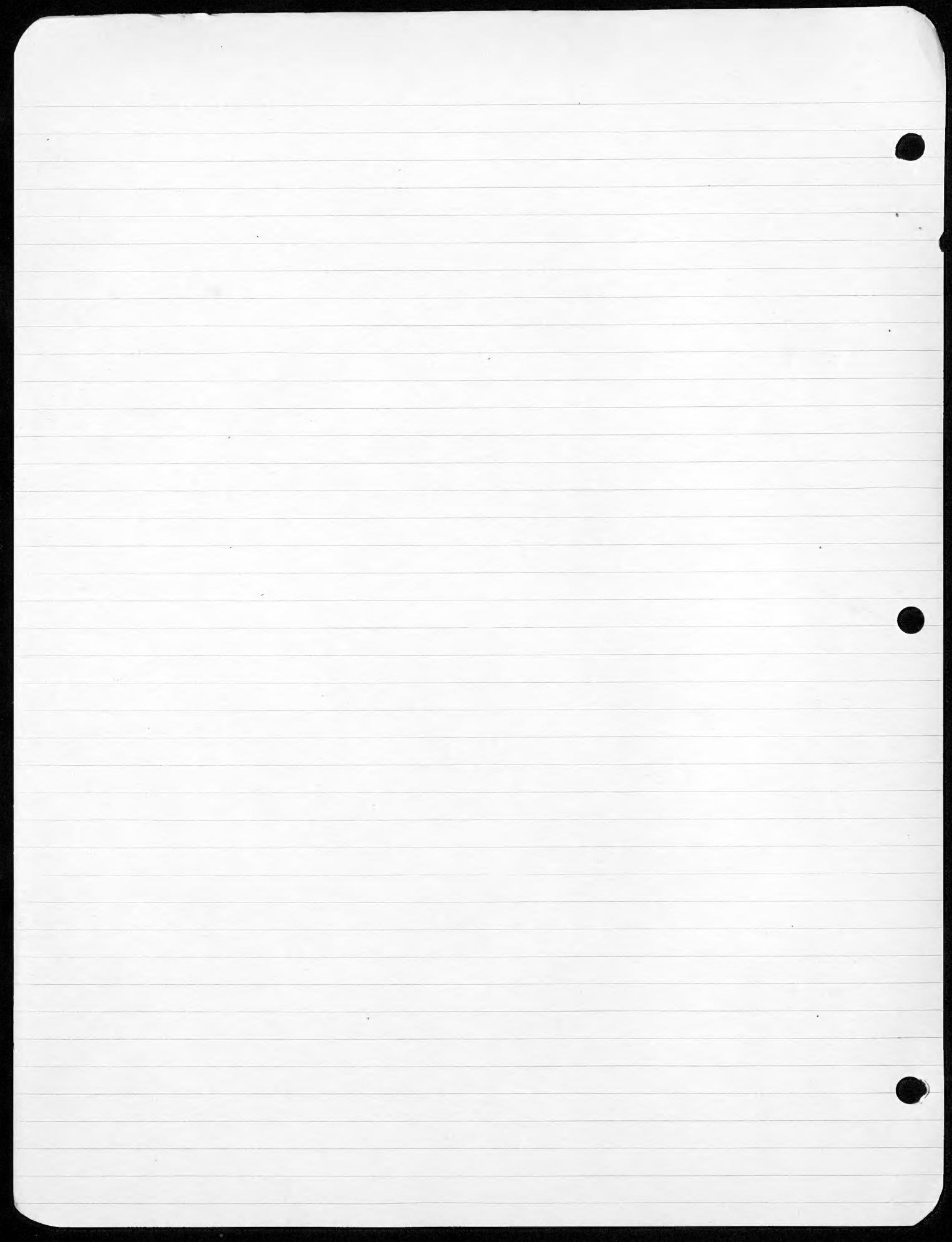


Wenlock

River channel

Blin Gars

18683. *Tramont* ^{X4. 3. 3.} In gallery woods, 5-10 m. fl. yellow. fl. sp. - yellow 10-12 m.



Wenlock

Lagoons across river

Trees

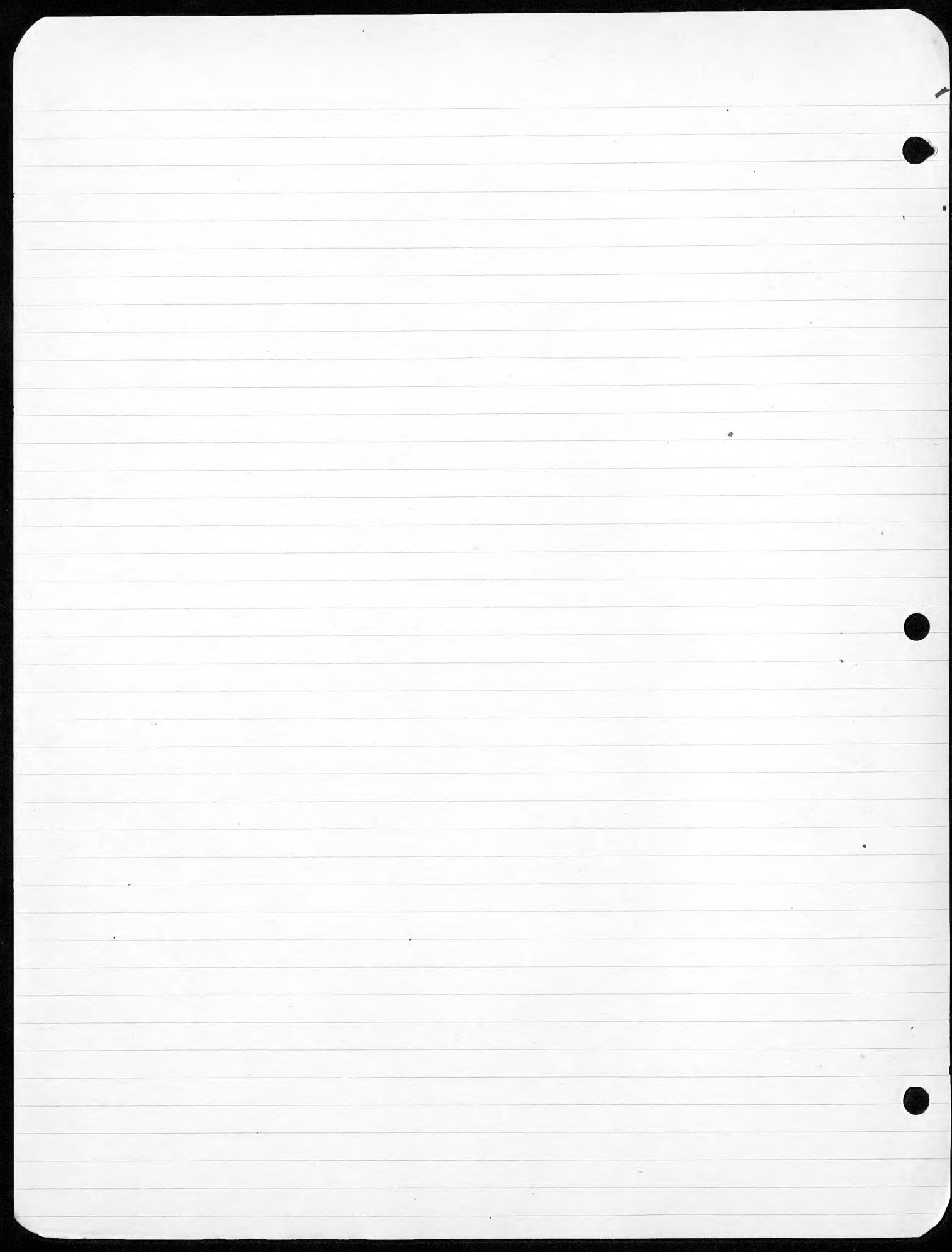
19689. Myrsi: DB. char. small tree (also riverbanks) 5-7 m. Fl. wh. smooth grey bark & drooping branches (Tandayá, Pará, etc.)

18 species herbs

19677. Triptilochrin C. in shallows. 50-60 cm. Fl. green
68. Utricularia Free-floating fl. P. in lagoons. Fl. pale yellow. Bubbles violet.
87. Limnanthesum fl. fringed wh. corolla with orange centre.
88. Nymphoides fl. fl. wh. 10-12 cm. dia. delicately perfumed
19702. Limnanthesum fl. fl. orange

Herbs, etc. of moist ground

19680. Torenia moist-grassy banks. 20-25 cm. Fl. purple.
81. Scheeria P. on moist edges. Stems tufts 50-80 cm. Fl. white
82. Tyl. tufts .. 20 cm.
83. Tropaeum P. moist-grassy banks. 60-65 cm.
84. Torenia P. " " " Standing. Fl. green with purple lobes.
85. Telognathia fl. under grasses .. 1-2 cm.
86. Nolana longifolia C. locally on grassy edges. 60 cm. Fl. violet.
87. Tropaeum few plants on moist banks. 1 m., one few stems.
19700. Berberis C. grassy edges. 60-70 cm. Fl. white.
81. Tylidium C. " " 15-30 cm. Fl. purple above, yellow-green below

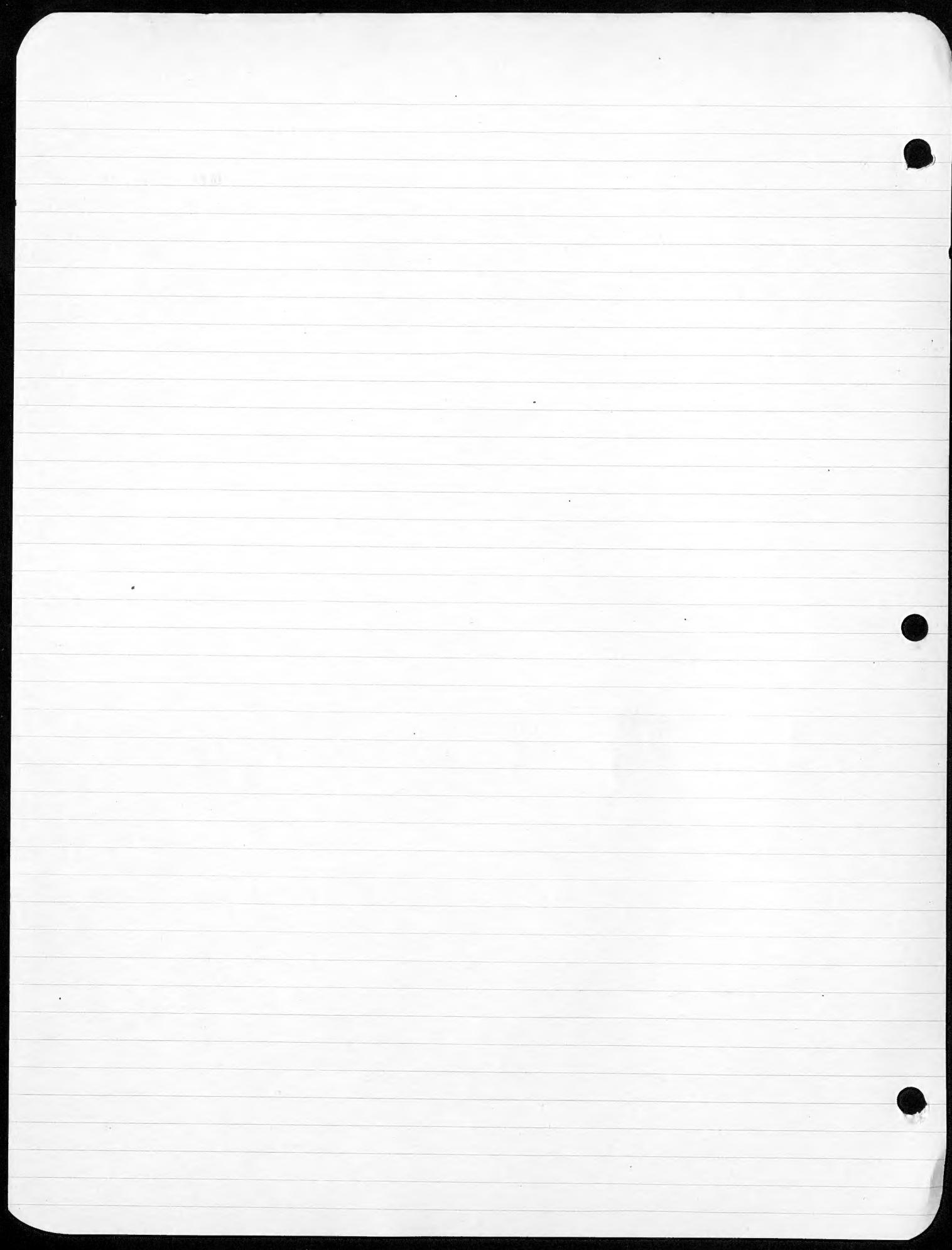


at 125 m.

Orche River, Newick - Forn Road

River channel

scrub forest



Barber River

Islands of sand & silt
Thin rain forest on islands & floodbanks

River channel

Trees

18727. *Diospyros* C. on islands of sand & silt: tree or shrub 3-6 m. Fl. ? H. purple.

29. *Braeava* On an " " - tree a shrub 3 m. Petals wh. & yellow
or salmon-pink; filaments 3-4 mm. Fl. ?

30. (*Myrsi* ^(*longifolia* ?) *Prunus* ^{*caroliniana*}) P. on islands of sand & silt: (tree of water edge). 6-8 m. Fl. wh.
Smooth grey bark, branches not-pubescent (Tangeria, Passifl.)

31. *Uvaria* C. in thin R. 6-10 m. Leaves many-like fls. wh. Fl. ?
(also Passifl. & Passifl. River.)

47. *Tolchopetrum* P. on dry open banks subject to flooding. Deciduous (then leafless)
tree 4-6 m. Fls. yellow; filament red. Flowers sp. fl. Fall bloom.

48. *Acacia* C. in sandy & rocky bed. 6-10 m. 30 cm. Fl. ? Hard, fibrous ^{dark} bark

49. *Myrsis* Islands of sand & silt: tree or shrub 4 m. Fl. ? H. purple

53. *Phalaenac* ^{*longifolia*} *lanceolata* var. Other. of sandy flood bed. Grows to a large size - up to 25 in
height & 50-60 cm. dia. - but as a rule the trees are bent
low or lying prone by the force of flood waters. Fls. wh.-wh.
Leaves grey-green. Bark grey, fibrous, papery

54. *Barringtonia* C. altitudinal banks of an-branches. 6-8 m. Fl. red. Semi-
deciduous & breaking into young leaf.

Shrubs

18733. *Acacia* of holocene. 0. in sandy bed. 3-4 m. Fl. yellow. Lining grey bark. H. yellow.

66. *Plumbago zeylanica*. 2 shrub in thin R. Bark a sulphur, over 1 m. Fls. wh.

Herbaceous plants

18732. *Kyllinga* ? C. moist beds of sand & silt. 8-20 cm. Tr. rigid, fibly.

34. *Fimbristylis* P. 10-20 cm. & fibly, grayish.

35. ? 0. 5-15 cm. Fl. wh. Petal reddish

36. *Syldium* P. 15-18 cm. Fl. pink, purple star. Tr. yell. below.

37. *Tragopogon* 0. " 6- " 60 cm.

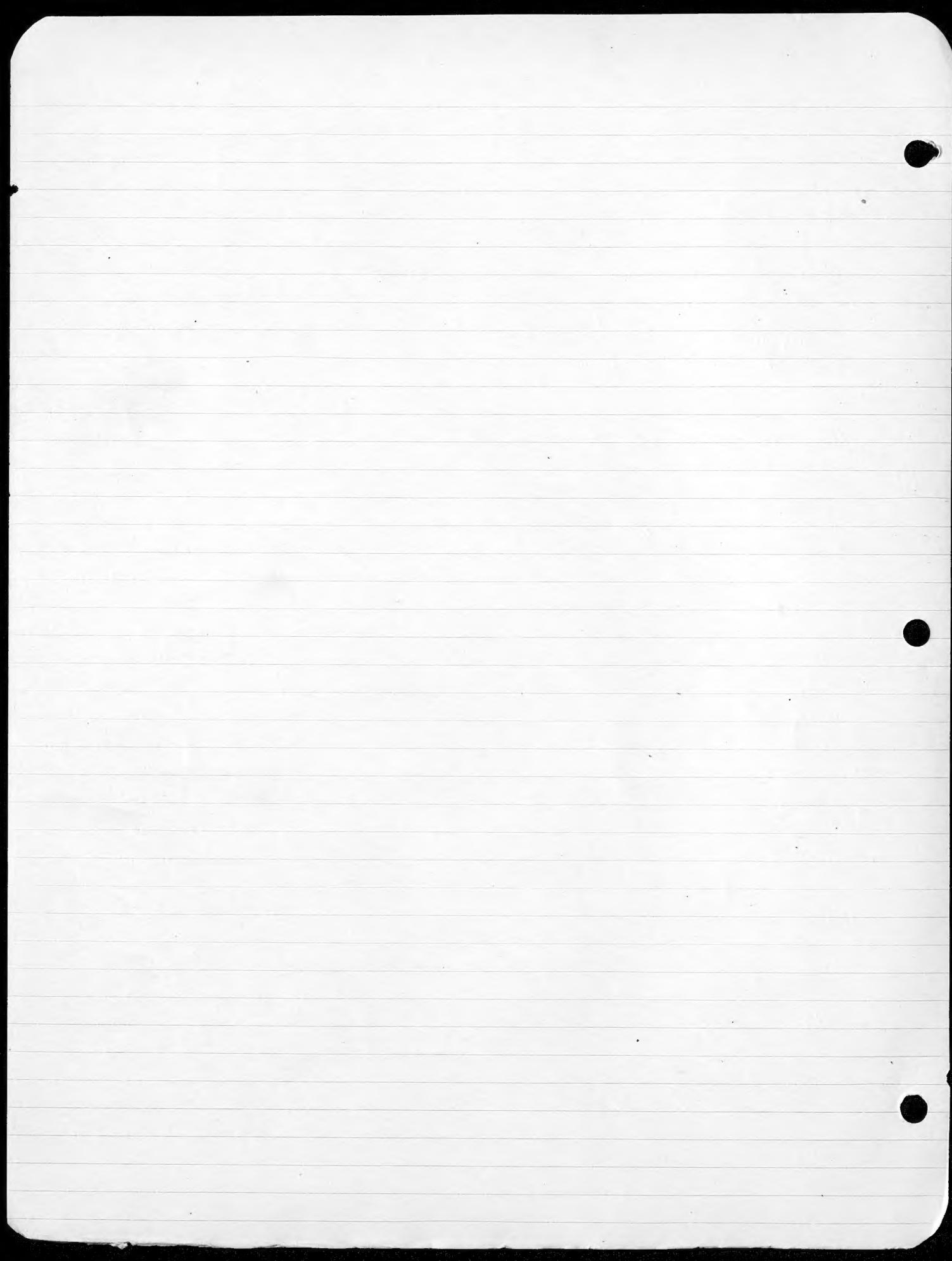
38. *Trag.* 1 rayed on sand.

39. *Panicum* moist sand. 30-50 cm.

40. "

41. "

P. of moist sand & silt: spreading 10-30 cm.
" 70-100 cm.



Orbun River.

River channel

Herbaceous plants, cont.

18742. *Typhaceus* A on moist sand & will. 12-30 m.
63. ? " " " Prostok, 15 m.

64. *Typhaceus* Eng. in shade on silty banks. Dark & spindly 10-20 m.

65. *Forcy* " " " Prostok & 70 m. Eng.

50. *Typhaceus* O. in open sandy channels. 70-100 m. Eng.

51. " " 1 plant in dry sandy bed. 80 m.

52. *Marrubia*. Eng. on wet sand. 10 m.

Gleasons

19746. *Paraphisus* cf. *nigra*. Scandent shrub to 20 m. Prostok. Fl. reddish,
more conspicuous than the flowers.

57. *Paradaya* C. in thin P.F. 10-15 m. Strong fragrant wh. fls. Fls. 2-3 lobed

Trees, cont.

19755. *Geosmodium* F. on alluvial banks of anastomos. Tree or shrub 8-15 m. Fl.?

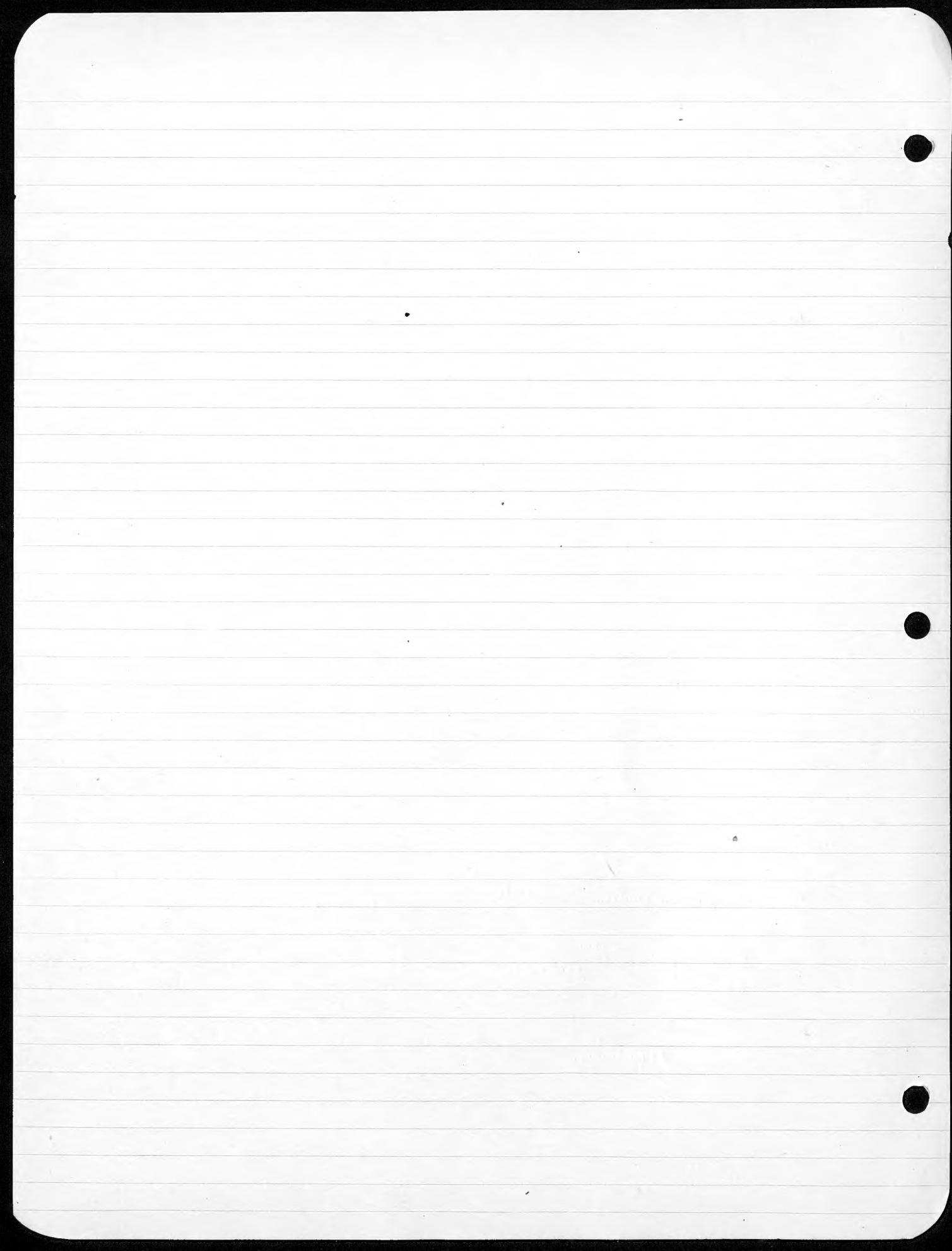
59. *Microseris minima* - " 6 m. Fl. yellow. Fl. unisex.

61. *Mallotus* O. in thin P.F. 5 m. Fl. Leaves convex

64. *Typhocarpus* sp. sp. " 8-10 m. Fl. greenish. Fl.?

65. *Typhaceum* *forficatum* " 6-25 m & 40-50 m. Fl. wh. (obs. *Paratrichia* &
Parac. Said to bear an edible root fl.?)

67. *Typhocarpus* *tripinnatus* C. in thin P.F. 6-8 m. Fl. cream. Fl.?



Open ST of granite ridges.

Archer River

Pavanne forest

tree

19760. *Eugenia*

S. up to 20 m x 25-30 cm. Th. orange red. Deciduous & leafless; upper stem & branches pinkish.

67. *Eucalyptus*

"Montack" P. in open ST of granite ridges. 10-12 m x 15-35 cm. Th. ?
(C. on sand ridges from the Paroo south)

63. *Whistaria*

Spiral. 8-10 m x 20 cm. Fls. ?

72. *Eucalyptus*

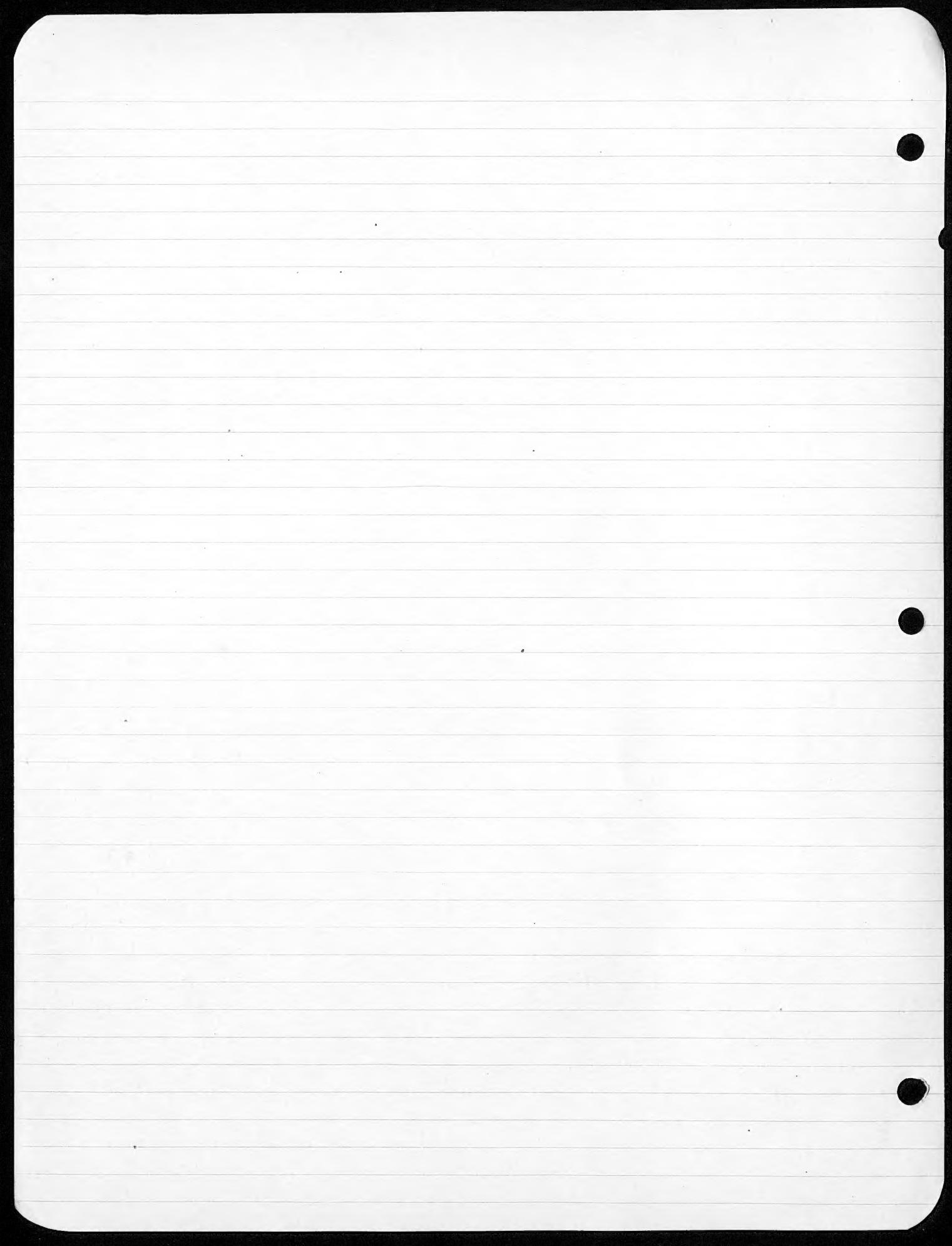
O. on granite ridges. 2-5 m. Leaves rigid

Shrub

Herbs

19756. *Wahlenbergia* H. among dry grass in sandy ST. 30-40 cm. Th. greyish bluish
58. *Tobira* P. " " " 30 cm. Th. purple; base of lower lvs. white
73. *herb.* P. sandy granite ridges. Many herb. 1 m. Th. purple. Big fully th.
74. *herb.* C. " " " Ground 60-80 cm. Th. yellow. Big leaves. (Montack
?). Deep yellow.

(also Montack)

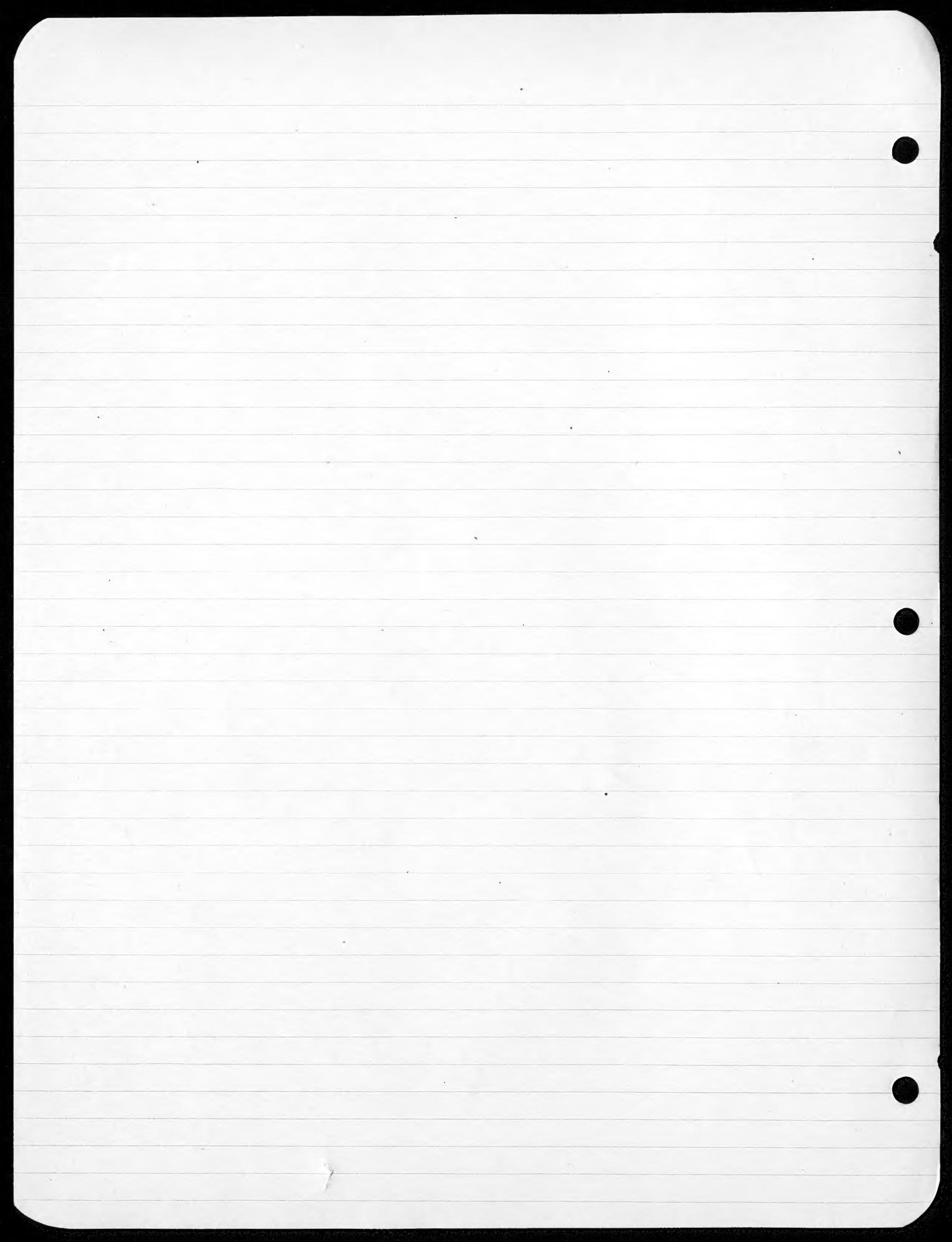


Toen

alt. 200 m.

Savanna forest

River channel



Dry, thin, limbed granite ridges.

From

Savanna forest

Trees

19820. *Brachychiton discolor* Kurrajong. S. 10-12 m. Fl. gr-br. Deciduous or semi-deciduous & now with few leaves.

21. *Albizia procera*. Lvs. thin in a dry gully. 6-8 m. Fl? Green & flat leaf.

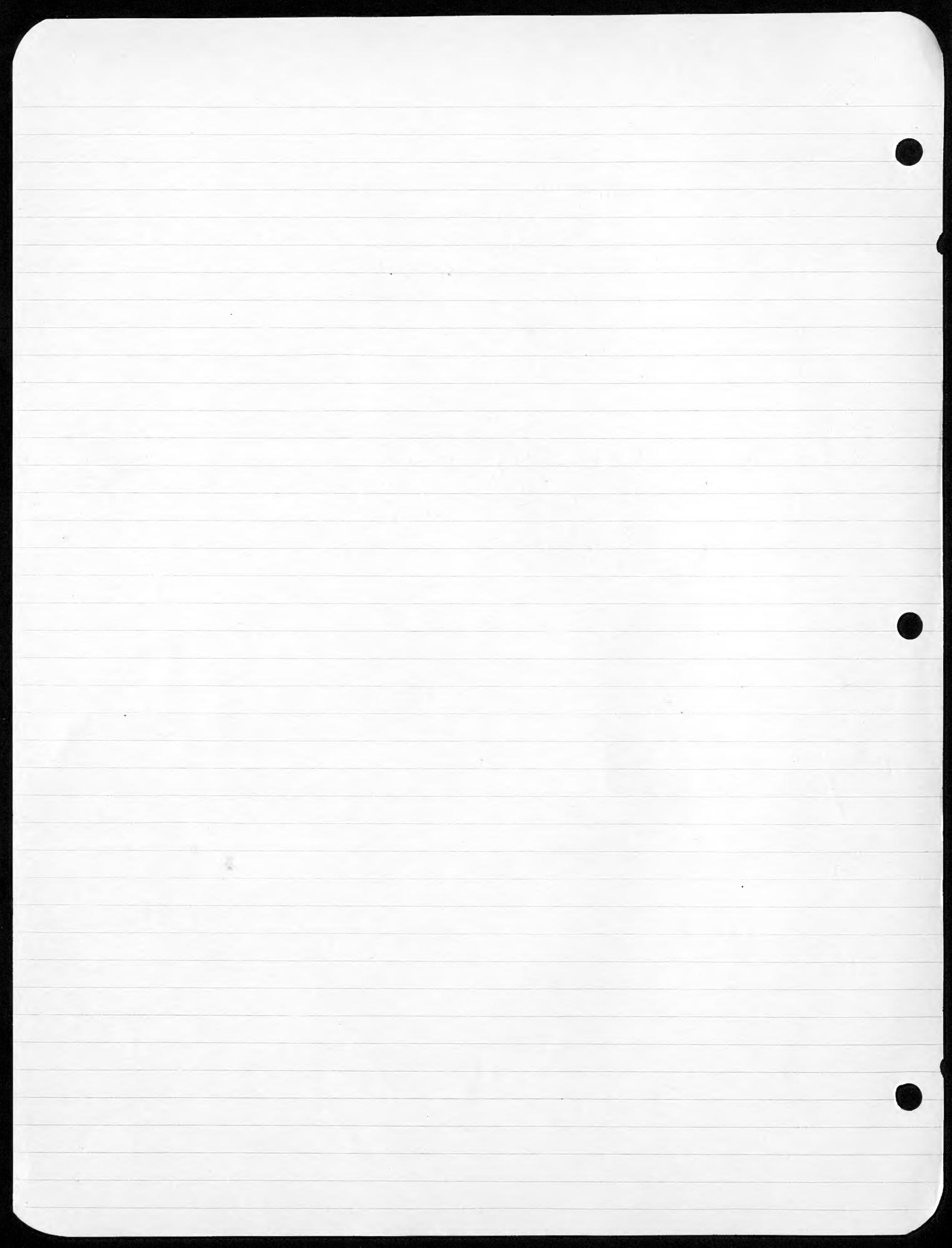
Shrubs

19794. *Lignum*. F. on dry thin, limbed granite ridges. 70-80 m. Shiny publ fls. Young flowering stems appearing after fire.

19822. *Vitex*. S. on dry granite ridges. 10-20 m. Fl. green. Fl? Same as above.

Herbs

19829. *Goodenia*. Dry granite ridges. 30-40 m. Fl. yellow



Tree

River channel

Trees

Salugue

19778. *Melaleuca leucadendra*. M. char. tree of rocky & sandy mixed bed. 6-20 m x 6-50 cm.

Fl. cream. Leaves gray green. Gray peeling bark.

19779. *Glucocarpus andamanicus* F. in sandy & rocky banks. 6-8 m. Fl. cream. Fl. fine-gr. Several slender stems from a common base.

80. *Morinda*

F. on thinly timbered floodbanks. Tree a shrub 3-6 m. Fl. cream.

85. *Betulinaea ovinalis* P. in open sandy & rocky bed. Tree a shrub 3-6 m. Fl. bright red.

88. *Artocarpus*

F. thinly timbered floodbanks. 10-15 m x 30-75 cm. Fl. cream

Fl. ? (mango-like sp. of Artocarpus, etc.).

89. *Acacia*

P. sandy & rocky beds. Tree a shrub 3-6 m. Fl. yellow. Compound

rounded habit; leaves silvery-gray.

96. *Tristania grandiflora*

P. thinly timbered sandy low floodbanks. 10-12 m x 35 cm.

Fl. white. Bark gray, shallowly fissured.

1980. *Psychotria longifolia* P. open sandy & rocky bed. 3-5 m. Fl. wh. Branches usually

sub-pendulous; bark smooth gray (N. to Sarawak). Fl. 1.

1 example on thinly timbered sandy floodbank. P. m. Fl. gr. with wh. lobes. Fl. wh. frag. Numerous small stems, gray

branchlets & forming a large clump.

Shrubs

19810. *Glochidion*. F. on thinly timbered floodbanks. Tree a shrub 3-6 m. Fl. & fr.

17. *Apoc* Open rocky bed. 1.2 m. Fl. yellowish.

18. *Jasminum* " " banks. 2 m. Fl. white.

19. *Euph.* (Bignoniaceae?). C. open rocky bed. 1 m. Fl. br. Flowers white & sp.

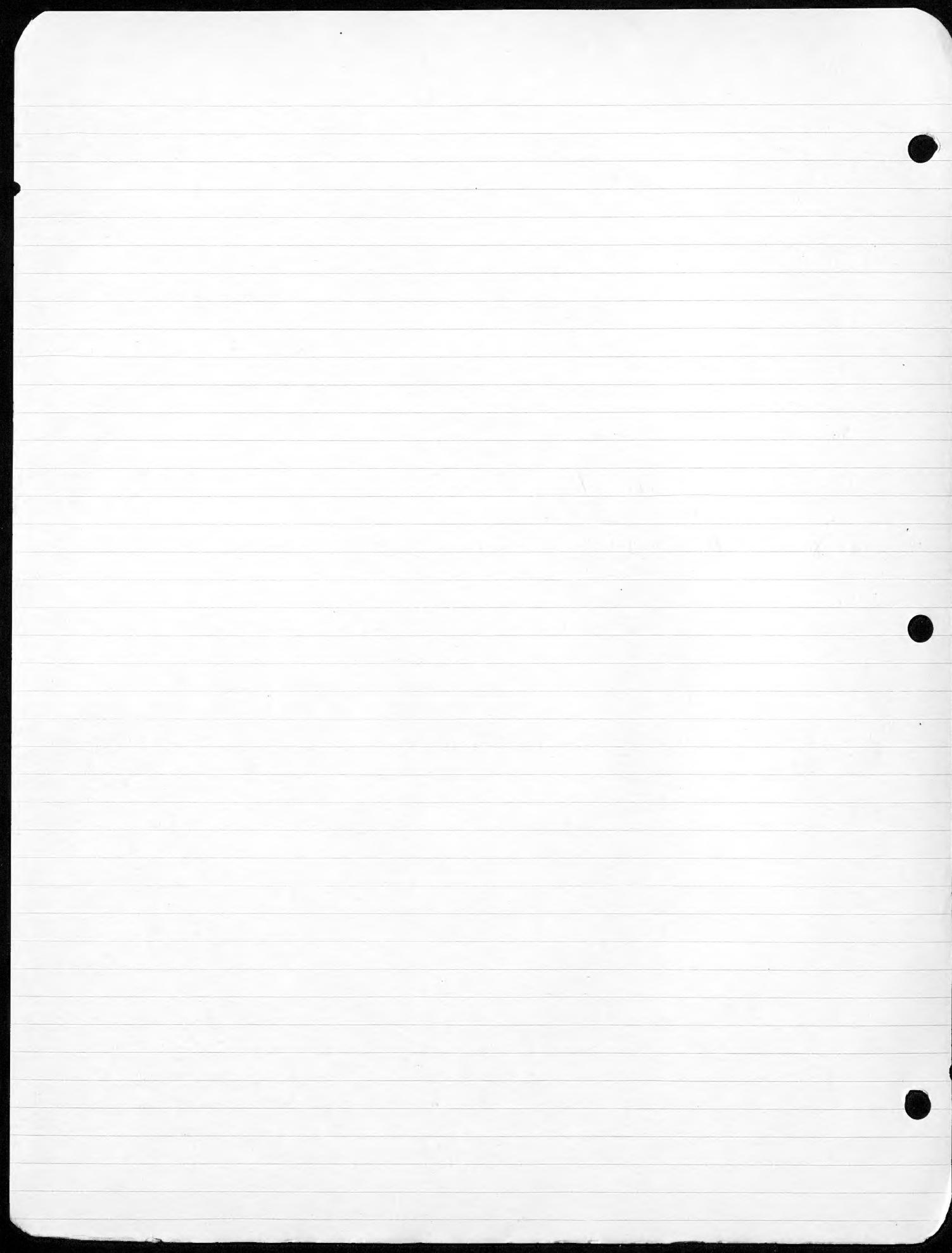
Trees, cont.

19811. *Euph.* Open sandy floodbank. 5 m. Fl. gr. Fl. blackish purple.

12. *Macaranga*. Gray locally " " 4-5 m. Leaves very glaucous below.

14. *Euph.* S. on thinly timbered floodbanks. 10 m. Fl. yellow. Much branched, bushy.

15. *Terminalia*. F. sandy & rocky floodbanks. 4-6 m. Fl. ? Leaves very convex.

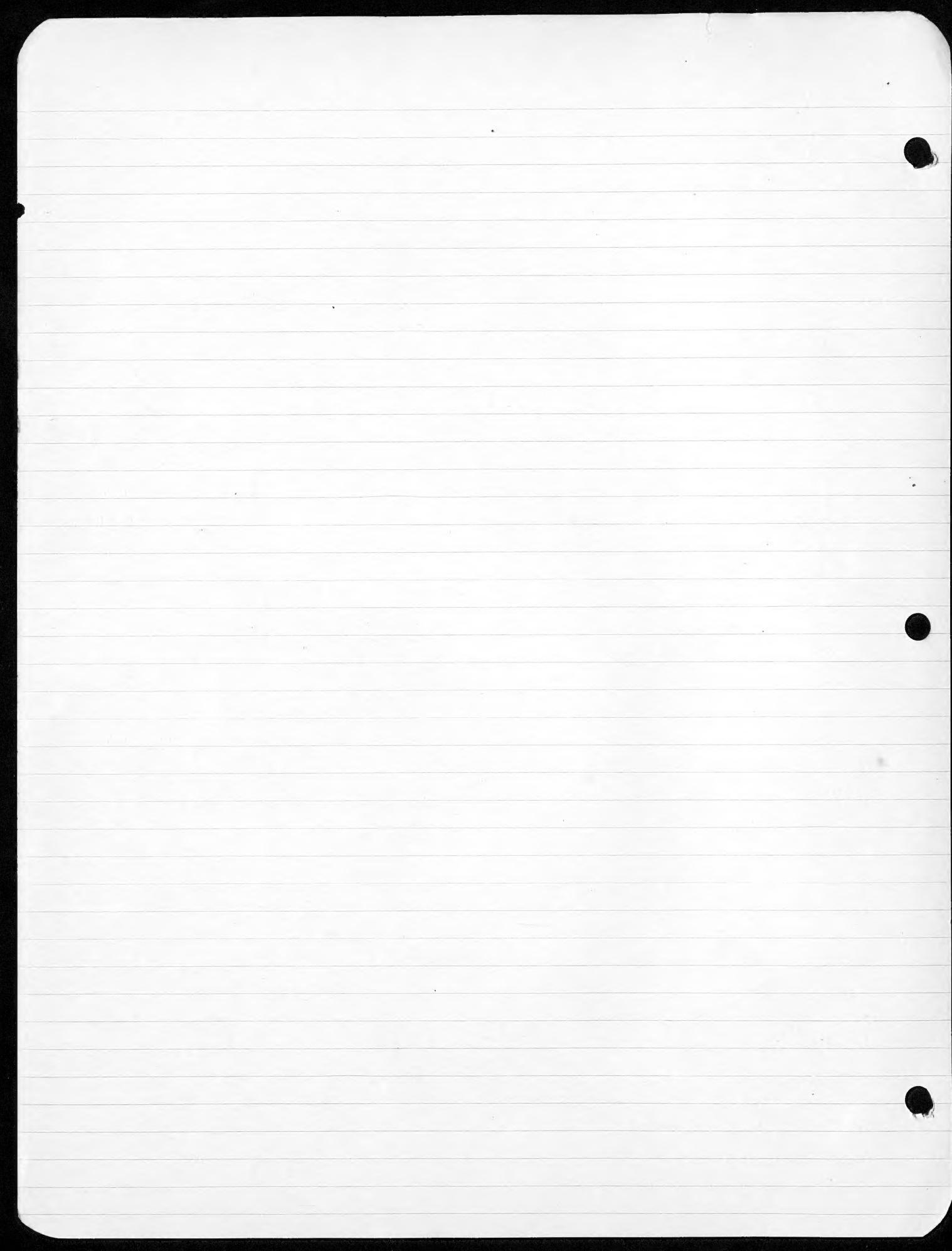


Tom

River channel

Herbs

19775. *Phylidium sanguinum*. C. moist open banks. 60-100 cm. Fls. yellow.
76. *Typh.* T. in stagnant pools in open rocky bed. Tols. sand-like, 50 cm.
77. *Typhus*. T. open sandy bed. Tol. stems \pm 1 m. Leaves gray-green
81. *Fusium* F. on moist open sandy bed. 30-50 cm.
82. *Utricularia* O. wet sand in open moist bed. Ascending 10-20 cm. Fls. lavender
83. *Typhodium* Mound between rocks in open bed. Stems \pm 1 m. long.
84. *Typhus* F. on wet sand in open bed. 40-70 cm.
85. *Phylidium* Gray. ... " 6-15 cm. Fls. wh. Fluffy.
87. *Typh.* Wet sand " 20-25 cm.
90. *Jussiaea* C. " " " \pm 1 m. Fls. yellow.
91. *Polygonum orientale* ? Gray " " " 80-100 cm. Fls. white.
92. *Typh.* Wet sand " 3-5 cm. (creeping). Fls. pale purple.
93. *Utricularia* " " " 30-40 cm. Fls. purple purple.
97. *Engelmannia* scattered in dry sandy channel. 80-100 cm.
98. *Timothy* *Trifolium* *pratense* T. on moist open sand. 12-20 cm.
99. *Typhus* P. on wet " " 15-25 cm. (Hedgerow P. 200)
19800. " C. " " " 10-15 cm. Fls. gray, gray-green
01. " " " Wet open sandy places. 30-50 cm.
02. *Typh.* O. wet muddy edges. 60-80 cm.
03. *Utricularia* Gray. open wet sand. 20-30 cm. Fls. purple. Tols. in sandy.
05. *Bromi.* Wet sand. 20-30 cm. Fls. wh. Fluffy, aromatic.
06. ? T. " " 10-20 cm. Fls. wh.
07. *Typhus* S. " " " Shrub-like creeping.
08. *Gray.* S. " " " 20 cm. Fls. pink. Tols. in ascending.



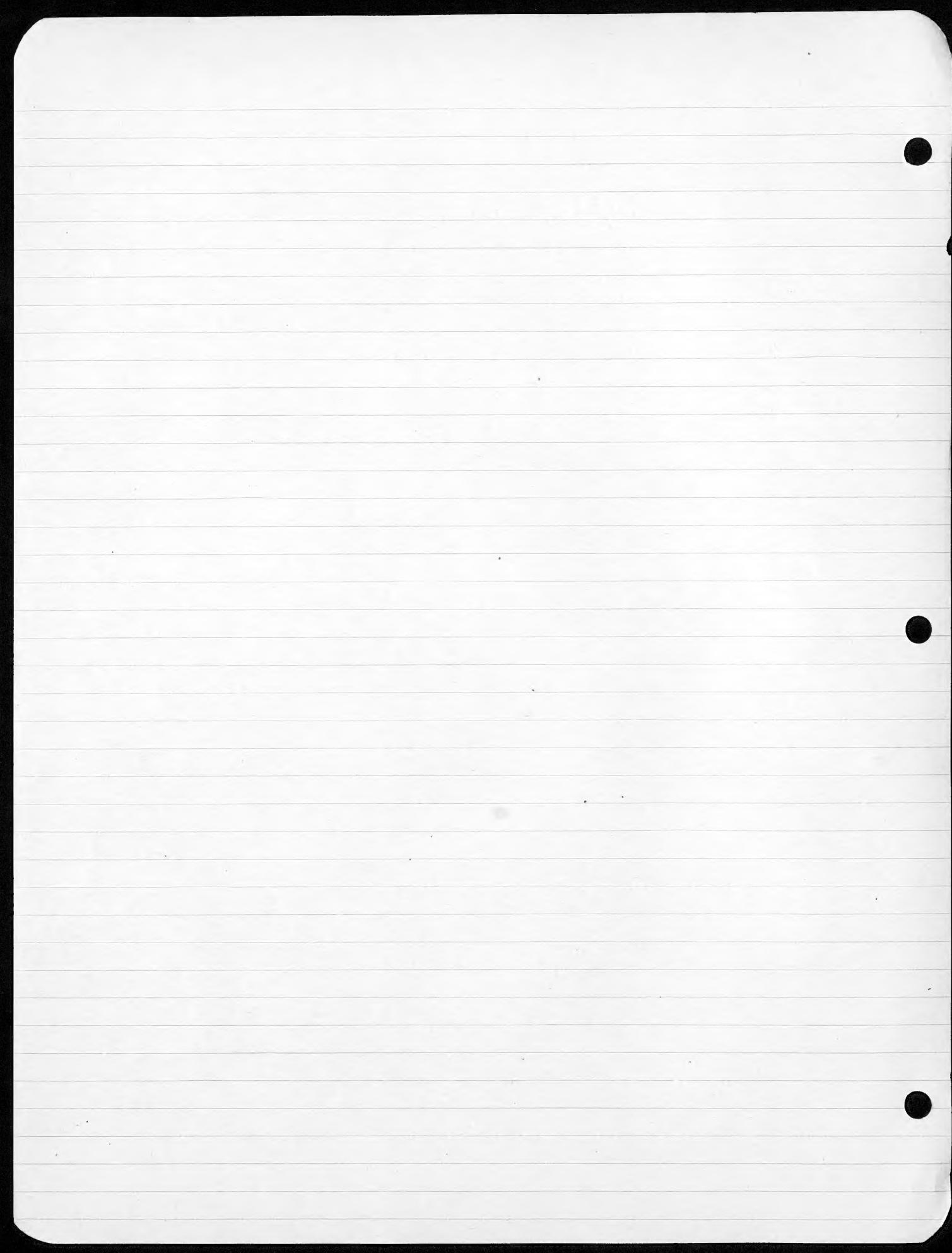
alt: 260 m.

Bonanza Creek, Peace River

Tavanna forest

Monsoon forest of dry granite ridges

Rivine rain forest



Bananga Th

Toranna forest

19838. *Swartzia* sp. F. 6-7 m. x 12-15 m fl. mon.

Monsoon forest

19832. *Bombyx malabaricum*. A tree overtopping tree 6-25 m x 1 m fl. red. Deciduous
3 leaflets.

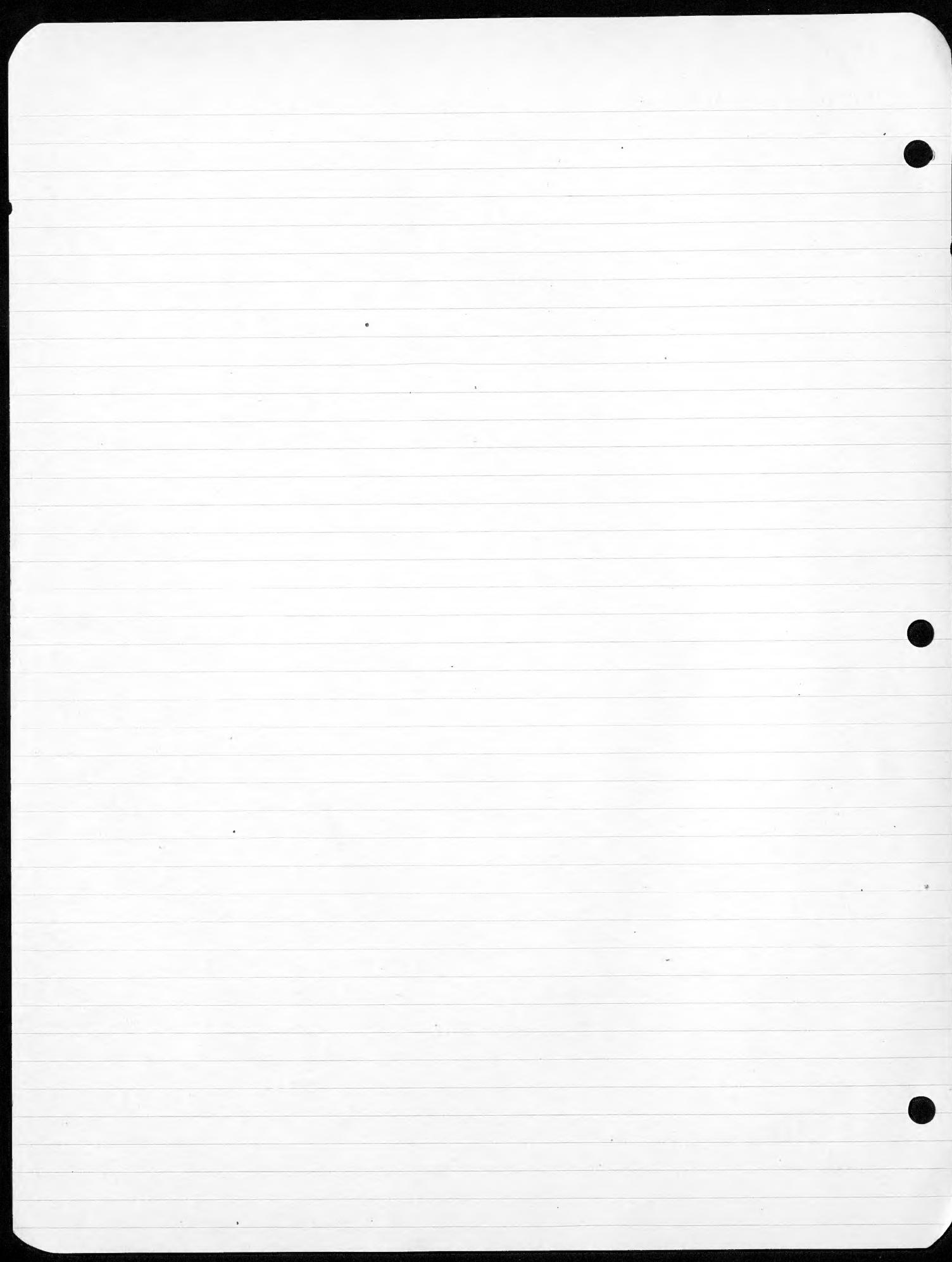
33. 180 cm d.

P. on top of stone ground. 20-35 cm. Fl. pinkish pink.

37. *Ulmus* sp. of genera.

C. 8-15 m. x 15-25 cm. Fl. ? Fl. reddish. Semi-deciduous
1 ^{foot} bare of leaves. Bark yellowish, bumpy & fleshy.

19753. *Gommierum*, small tree



Bonanga Th.

Rainforest

Trees

19824. *Pavetta*. 8m x 15cm. Th. green, sp. red. Fl: ? Th. hony - scented.
25. *Quintinia*? Rain forested banks. 6m Th. wh. Fl: white (all rivers S. of Juncos)
27. *Platycarya* involucrata 15m x 95cm. Th. yellowish. Fl: ?
28. *Taxocarpus* 7m x 3m. Th. greenish-wh. Fl: ?
34. *Styrax* 20m x 25cm. Th. yellowish. Fl: ? Close to river bank.
36. *Trichilia* paniculata 20m x 30cm. Th. greenish. Fl: ?
19868. *Neozymium* ^{erectum} *Salandrii*? F. 25m x 30-40m. Th. ? Fl. dark purple.
69. *Obione*? 12m x 20cm. Th. green. Fl: ?

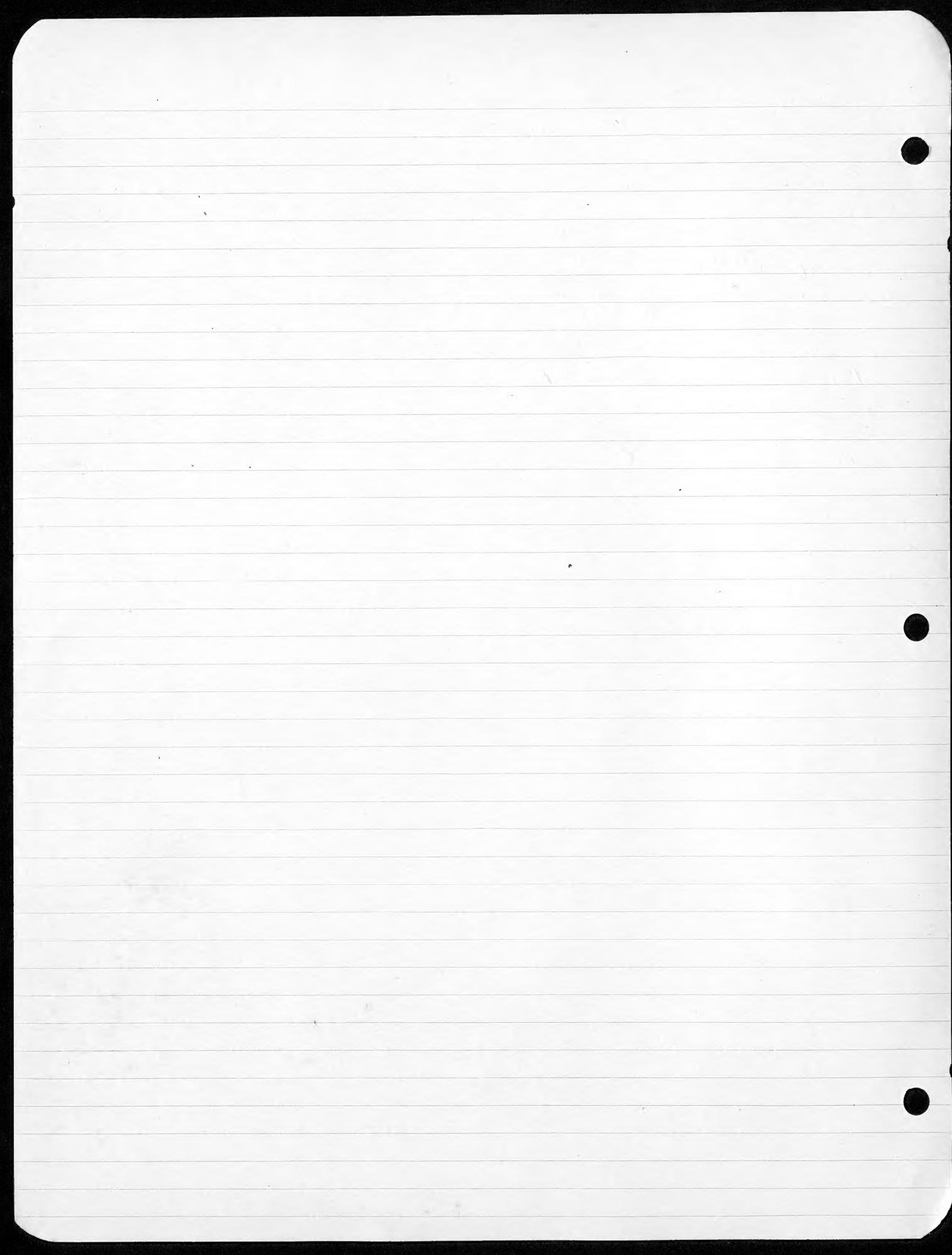
19831. *Psychotria* ^{oblonga} *oblonga* 10m. Stem much swollen base. Th. Fl: red.

Vines

19826. *Thunbergia* 4m. Th. ? Fl: immovable.
29. *Rhaphidophora* ^{Thunbergia} _{hirsutissima} 5m. Th. thin wh. Leaves 100-120cm long.
30. *Mucuna* 15-20m. Th. green. Fl: ?
35. *Baffordia*. Tendril 1m. Th. wh. Fl: ?

Herbs

19839. *Palaphona*. Buds orange-yellow.
19910. *Actinidia* ^{sp} 1m. Flowers on high banks.



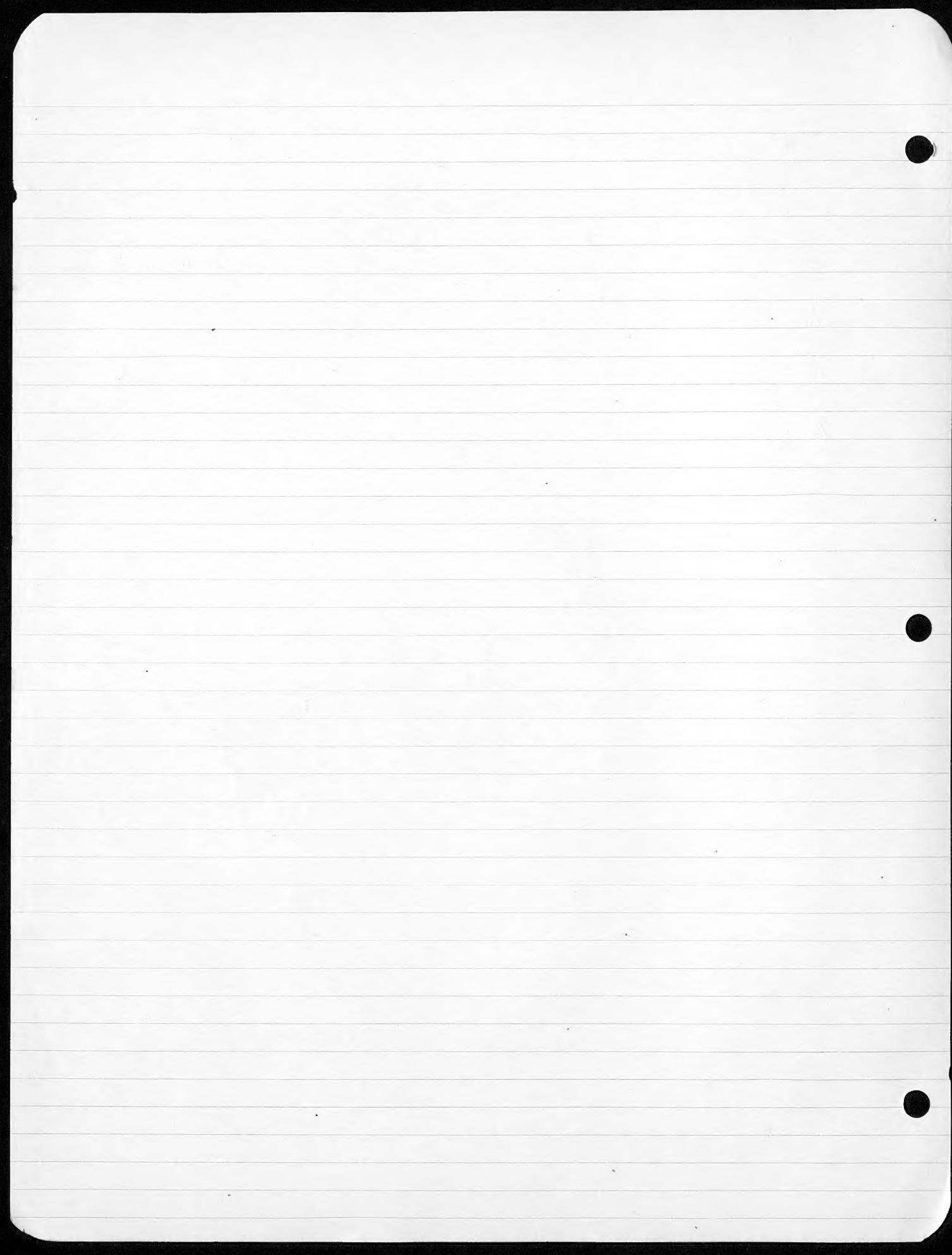
Loe Truk, Upper Merit River

alt. 420m. at camp.

Rain forest - top of range

Rain forest - creek banks & ravines.

Rain forest regrowth.



Loc 81.

Rain forest - creek banks & ravines

Trees, canopy

19832. *Phytolacca* 15-20 m x 25-30 cm. Fl. yellow (Togu Page 31).
Fl. orange ^{infl} _{multicellular} Lower 3-fol.

Trees, subcanopy

Trees, substage

19861. *Psychotria*? Creek fls. 12 m x 12 cm. Fl. bracts. Fl. red, fl. br. 63. ? 12 m. Fl. bracts - Fl. orange.

99. *Togu*? 15 m x 20 cm. Creek - a dense weedy fls. Fl. ?

19835. *Fallouzia viburnoides* 15 m. Fl. ? Fl. black, fl. br.

43. *Phassia actinophylla*. O. on rocks or creek banks. 10-12 m. Large panicles red fls. Stem usually unbranched.

19866. *Pandanus* Fl ± gray. ± 10 m. See field label.

69. " F. in ravines P. 8. 7-8 m. Togu bracts in persistent bracts.

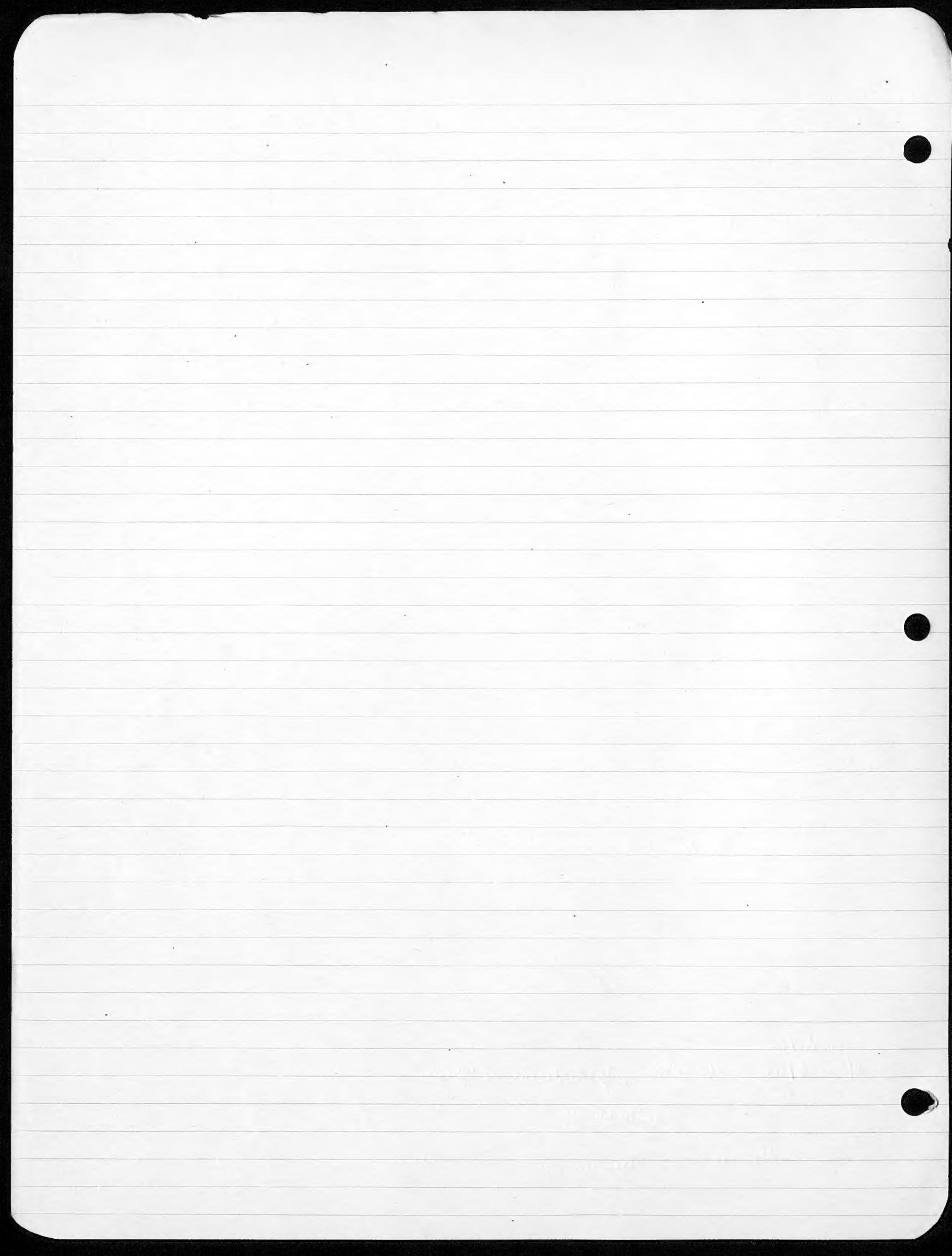
Palms

Brook's undergrowth Psychotria or Agave

19860. F. on creek fls. 6-7 m. Fl. striking orange-yellow. Regularly pinnate.

62. *Livistona* ^{infl} _{up to 1.5-3 m.} Fl. yellow to orange ad. Several stems of different ages.

19966. *Hydrocotyle* O. in ravines. slender rot. stem. 8-10 in. pinnate leaves. 12-16 m. _{whole clump}



Loc. Tk.

Rain forest - creek banks & ravines

Woody undergrowth, cont.

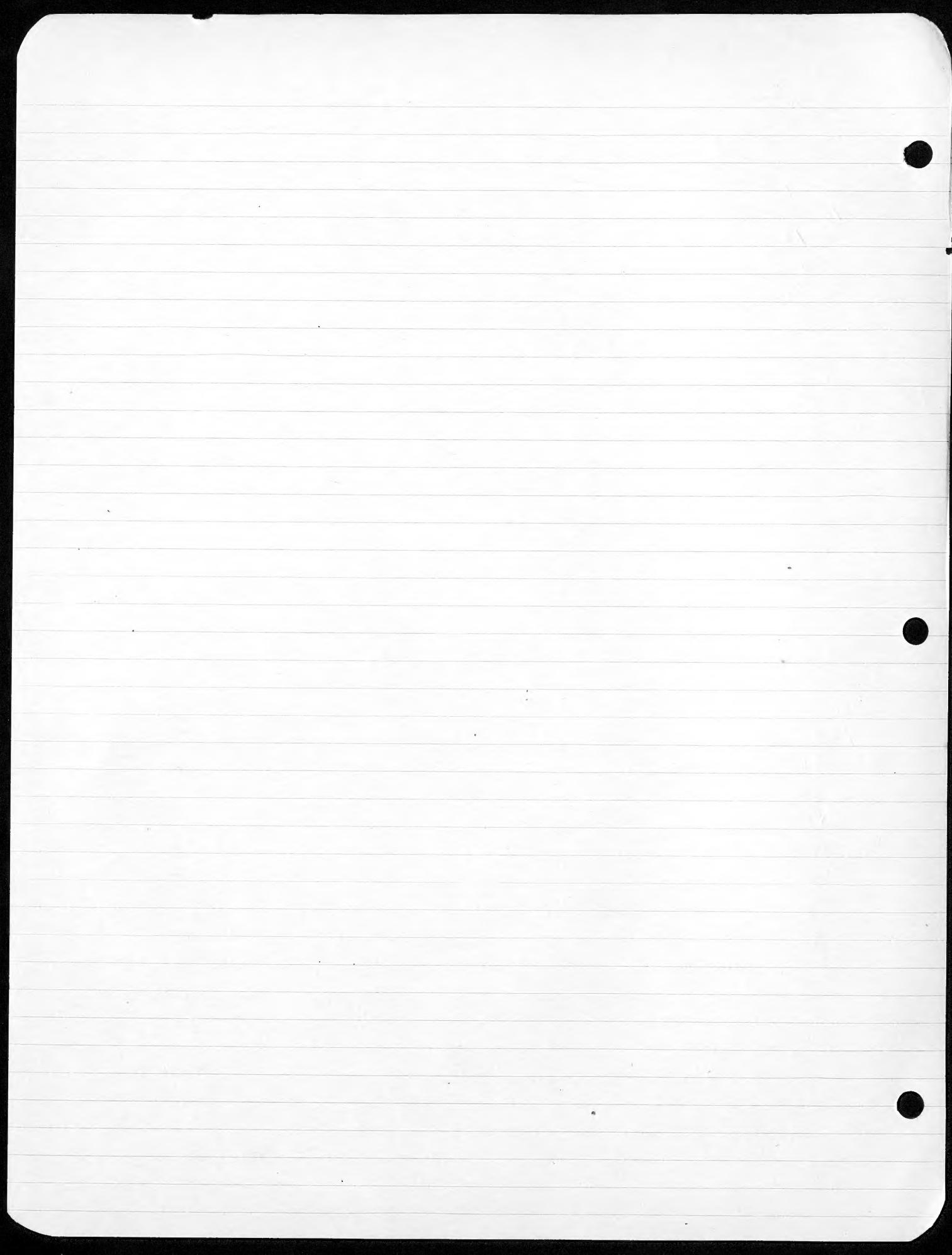
19847 *Tessmannia* Creek bank. 70 cm. Fl-wb. Fl: blue. Large stipules.
18. *Kibana* Shrub 3 m. Fl. ? Fl: purplish-black.
54. *Rub.* Shrub. 60 cm. Fl-wb.
67. ? Shrub 1 m. Fl. ?
83. *Rub.* Shrub 3 m. Fl-wb. Fl: green
19845. *Ternstroemia* ^{Kallstroemia} Rocky creekbank tree 3 m. Fl-wb. Fl: ?
46. *Loniceria* ? " " tree 6 m. Fl. ? Fl: black, fls. g.
47. *Solanum* " " Shrub 2.5 m. Fl: purple. Fl: ?
48. *Piperaea* tree. tree 5 m. Fl-wb. Fl: white.
51. *Pithecellobium* Rocky edge of creek. 1 m. Fl. ? Fl: ?
52. *Alat.* " " " 1 m. Fl: purple.

19859. *Gyneria* Fl. in ravines. h ~ 6 m. Flowers ~ 3 m.; smooth, shiny above

Herbaceous undergrowth

19849. *Lindsgaya* Rock crevices on creekbank. Subpandani ~ 23 cm.
50. *Polygonum* Fl. in a rocky ravine
59. *Ophiopogon* Very locally amongst rocks on a creekbank. 20-60 cm Fl-wb.
55. *Lindsgaya* Rocky creekbanks ~ 25-30 cm.
63. *Michauxia* Tree " " Dark shiny green.
70. *Lindsgaya* Rocky steep slopes
74. *Neophascolias* Very rocky side of a ravine. Shredded leaves 100-120 cm.
78. *Adiantum* Rocky side of a ravine. 30 cm.
19830. *Teph.* Tuff ~ 60 cm.
31. *Lindsgaya* Very locally in very dense thickets. 50 cm.
39. *Gleichenia* Small groups on shaly floodbanks. 60-70 cm.
34. *Apstasia* S. Fl: yellow.
44. *Lil.* O. rocky creekbanks. 30-40 cm. Fl-wb. anthers black.
62. *Teph.* Fl. in a moist gully. 60-70 cm. Lvs. mostly smooth.

19929. *Bowlesia* Fl. in dryish R.g. & old 2nd growths. To 180 cm.



Lia Tk.

Pain fons - creek banks & ravines

Climbers

18937. *Brachyceratia*

(in PR along a creek bank. Climbing several rocks.)

A1. " "

O. " " " Creeping 1-2 m. Leaves narrow.

61. " "

A. moist. Justice, 6-15 m. Branches salmon pink.

63. "

F. sterile

Fls.

Epiphytes (many epiphytic forms found on rocks on creek banks).

19841. *Davidia*? Creeping on rocks on river bank. To 16 m.

62. Fern. Rocks 80 cm. Leaves glab.

63. *Polyod.* Many " " 6-10 cm. Small.

64. *Hernaria* It on rocks ... " Stiff leaves

65. *Bytostrophus* Low epiphyte, bank of ct. To 80 cm. Stiff, fleshy.

57. *Davidia* Creeping on rocks on creek bank.

58. *Hernaria* Low epiphyte on " "

59. *Hymenoph.* Rocks on creekbank.

60. Fern. F. low epiphyte. Pendulous to 50 cm. Divid.

64. *Lycopodium* Glen a ferns.

71. *Vittaria* Large pendulous clumps to 1 m. long.

73. *Hypoleium* Creep. on a many rocks 30-80 cm.

76. *Hymenoph.* Crep. " " Pendulous to 18 cm.

77. " Creeping among moss on a rock. Leaves simple, 2-2.2 cm by.

79. *Hypoleium rufescens* O. on rocks beside creek. To 80 cm.; may be white.

80. *Grammitis* Mossy rock in a ravine. 2-4 cm.

81. *Hymenoph.* Mossy " " 1.2 cm. Various divided.

82. " Creeping mossy rock " " 2-2.3 cm.

84. " Mossy rock " " Pendulous.

85. *Hydrophyllum* Creek bank tree. Fls. wh. Large sp. with several stems 70-80 cm.

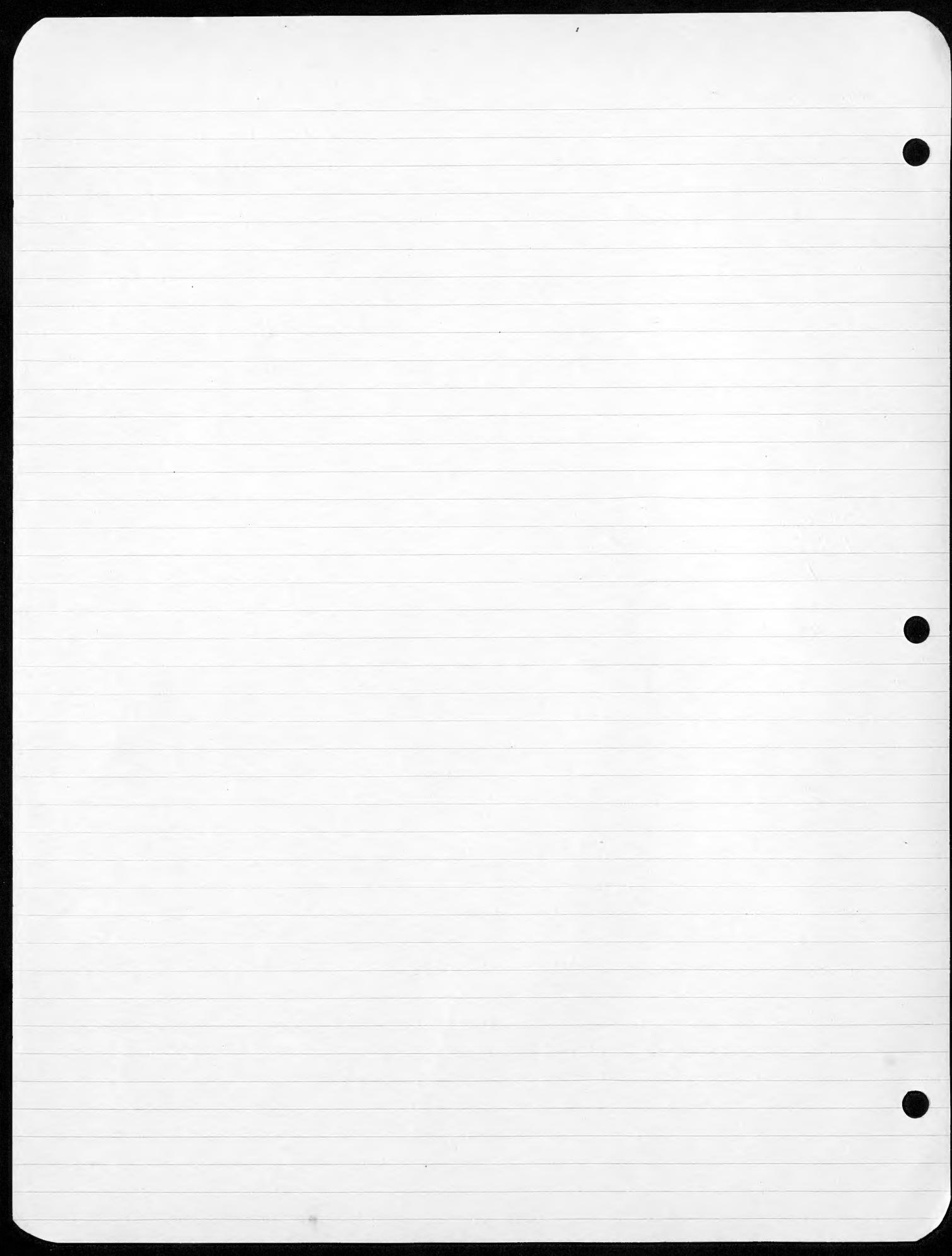
Flowers base 25 cm. dia.

86. *Hymenoph.* Matted on a mossy rock in ravine 2.5-3.5 cm.

19, 1890. Fern. Low on trees. Rhizome climbing. Leaves 40-65 cm.

801. *Foligium*? Creep. on many rocks. To 30 cm.

82. *Hymenoph.* Matted on rocks in moist ravine. 3-5 cm.



Laos

Rain forest - creek banks & ravines

Epiphytic - a/c

19803. Dymenst.

36. Frch.

Matted on a wet rock. 1-1.5 m.

C. loosely on moist creek banks. Very robust climbing
sp. with stems twining around supporting tree to a
height of 5-8 m. & leafy nearly to base. Leaves flexy.
Fl. cream, spath-like purple-red.

48. Frch.

Creek bank tree. 5-10 m. spiraling white fls.

60. Pritchotum

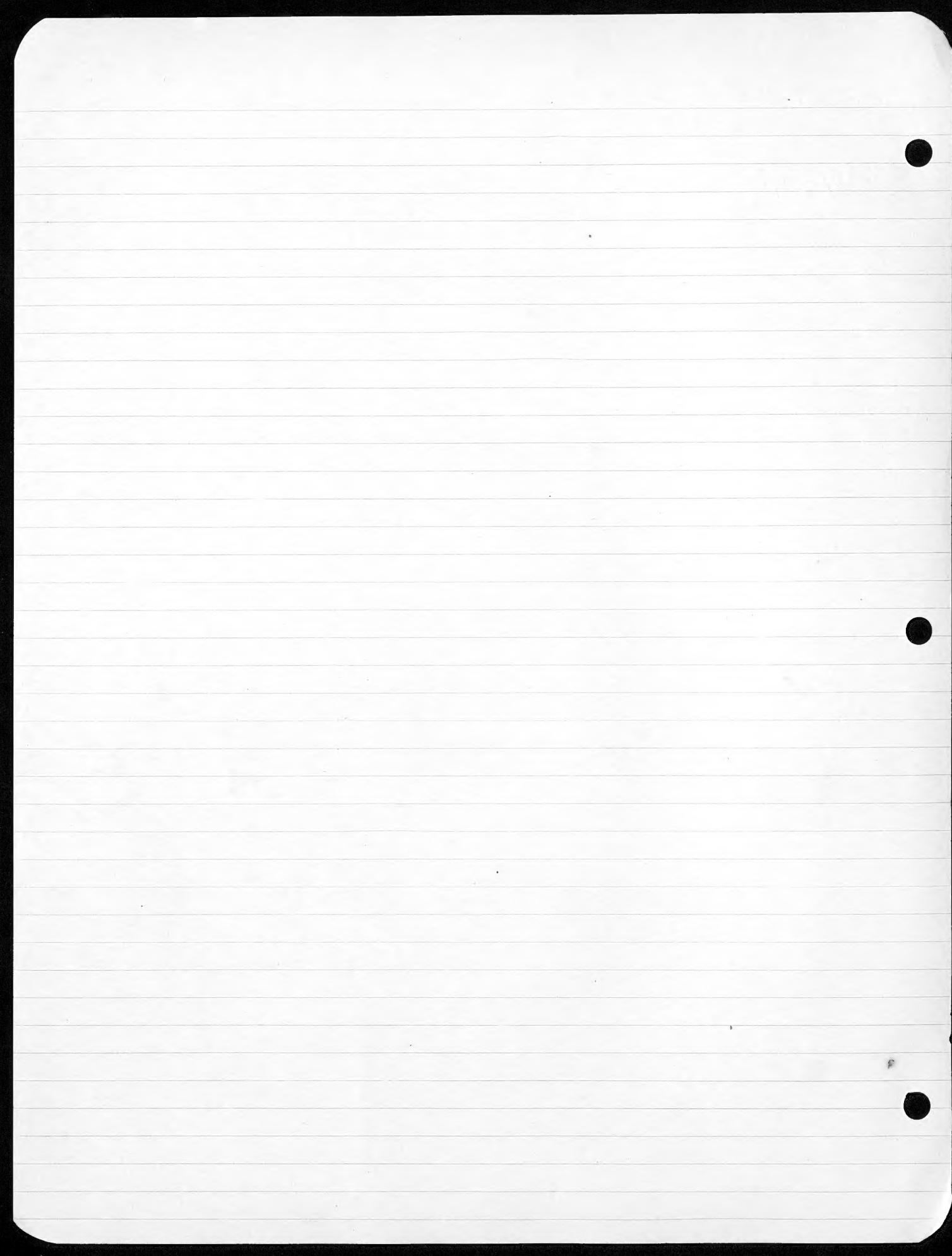
Fibrous trunk of a fan palm. Baudou 60-70 cm.

Epiphyte? 63. Schizaea?

Mossy bog on creek bank. 7-12 cm. (or more?) "like a
blade of grass 3-cleft at the tip."

64. Frch.

Low epiphyte.



Res Ph.

Rain-floods, creek banks & ravines

Mosses - *lunaria*

19828.

Dry margin of an old stone fence.

Mosses - on rocks

19888.

Wet rocks in creek bed.

88.

Flowering seepage-wet rocks in Ph. fl.

89.

" sunny moist rocks.

90. *Thelypteris*

Frustulated on a rock.

91.

Fracturing rocks on sides of a bluff

92.

Rockets on creek banks.

93.

Frustulated on rocks (dry-green).

19904

Moist rocks of creek banks.

94.

Fracturing wet rocks .. "

95.

Living wet rocks.

Mosses - epiphytic

19858.

Base of a tree

71.

Trunk of a palm

72.

Dead trunk of a tree

73.

Open banks of stream

74.

Rotten logs.

75.

At lower trunks of trees

76.

Lower " " "

77.

Rotten wood

19908.

At lower trunks of trees

78.

Fractured on " = " rocks

79.

Rotten logs.

80.

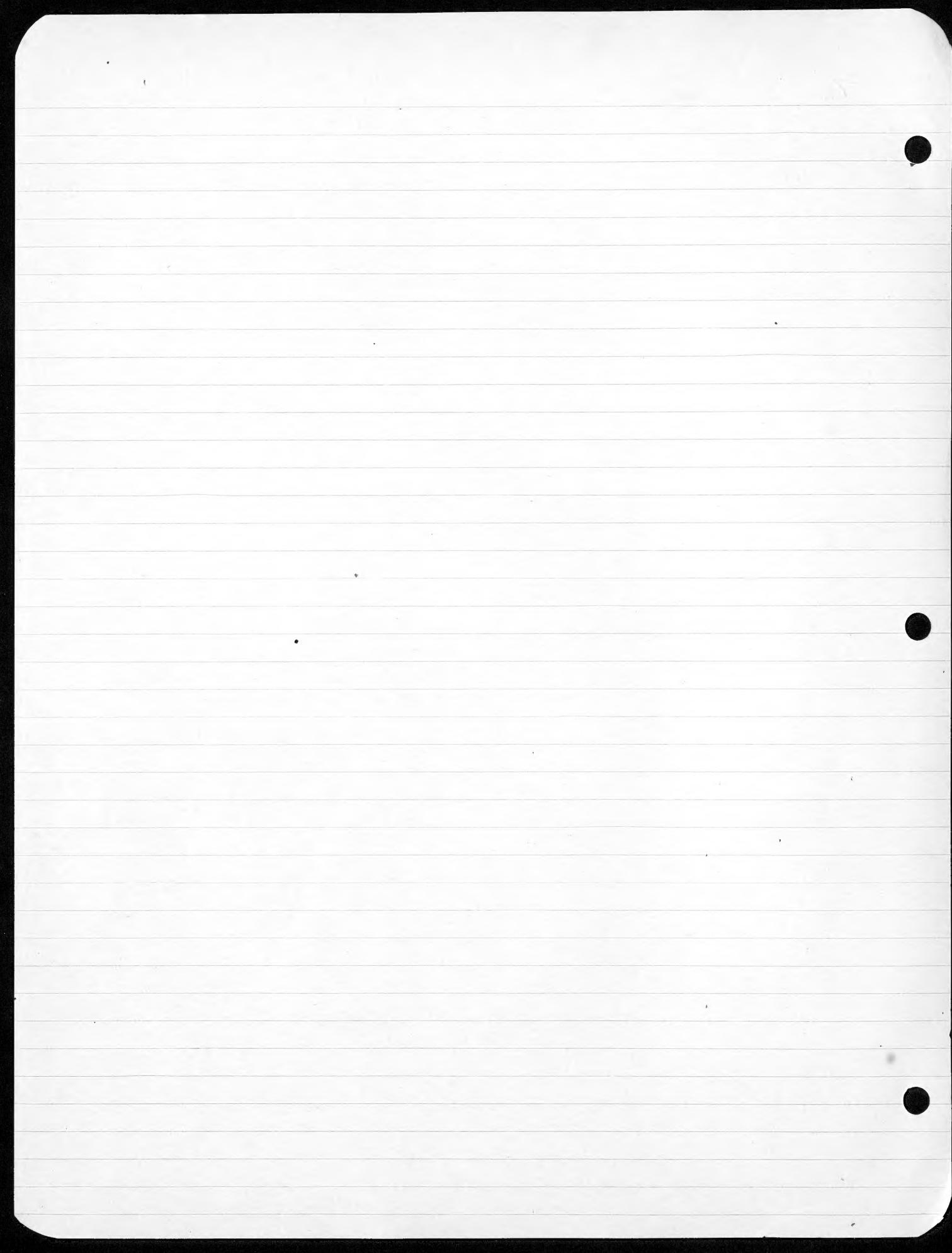
Living bark in v.p.

81.

Rotten wood

82.

Worn of a palm



Lev. Th.

Rain forest - top of range

500 m. alt.

Trees, canopy

19915. *Garcinia*
22. *Podocarpus*

25 m x 35 cm. Fl. gr-yellow. Pl.?

C. 20-25 m x 30-50 cm. Fl. fibrous bark. Long leaves.

19967. *Phanera Cunninghamii* C. on banks of streams & mts of ridges
70-20 m x 1 m. Tambaran Pockets, 1500 ft.

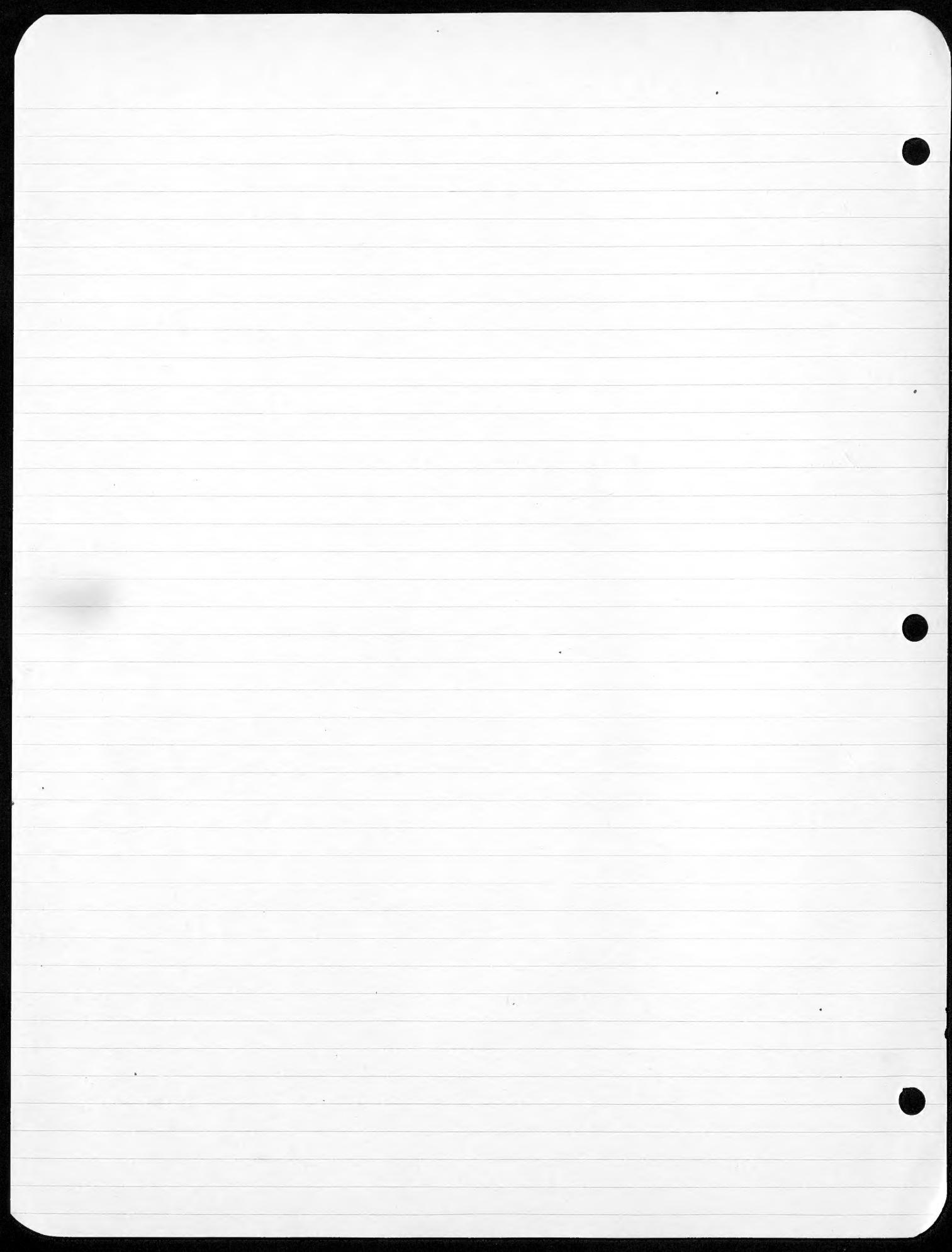
Trees, subcanopy *Psychotria cunninghamii*

19925. *Binnamomum*. 20 m x 25 cm Fl. buds. Pl.? Leaves & bark strongly
odorous.

Trees, substage

19910. ?

F in dryish RF of ridges (500 m). Petiolate leaves, serrate reddish.



See Dr.

Rain forest - top of range.

Woody undergrowth

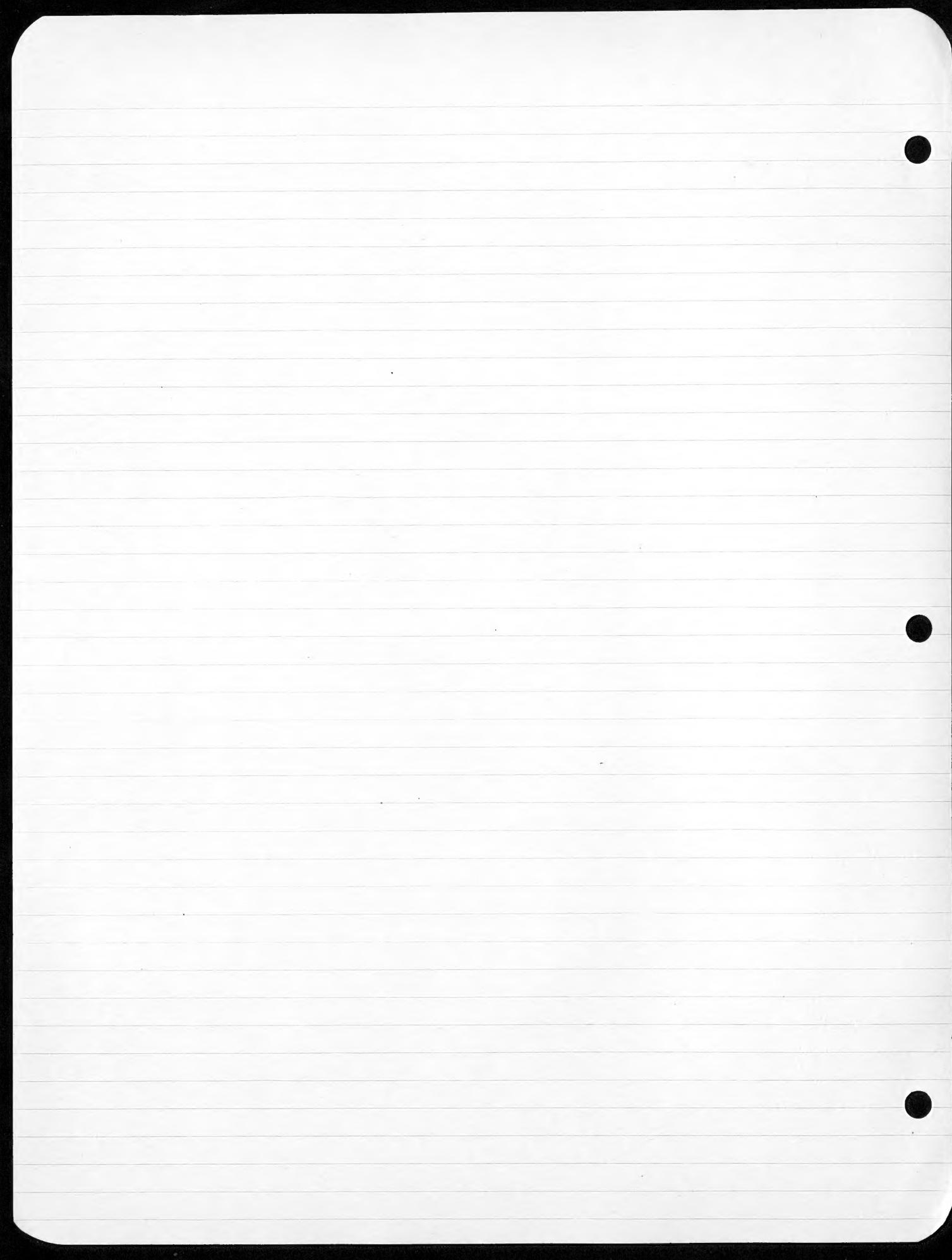
19920. *Phelicia* plateau tree 4-6 m. Fl. dr. - prof. Pl.? Leaves sharply toothed
23. *Phelicia*. Thru 2-2.5 m. Fl. reddish. Lvs broad. (Toyon sh.)

Herbaceous undergrowth

Thickets

19916. *Myrs.* scandent shrub to 20 m Fl. ? Fl. black.

19. *Myrsinif.* 2 m. Fl. cream. Fl. ? Hand wing stems.



Loc 8R.

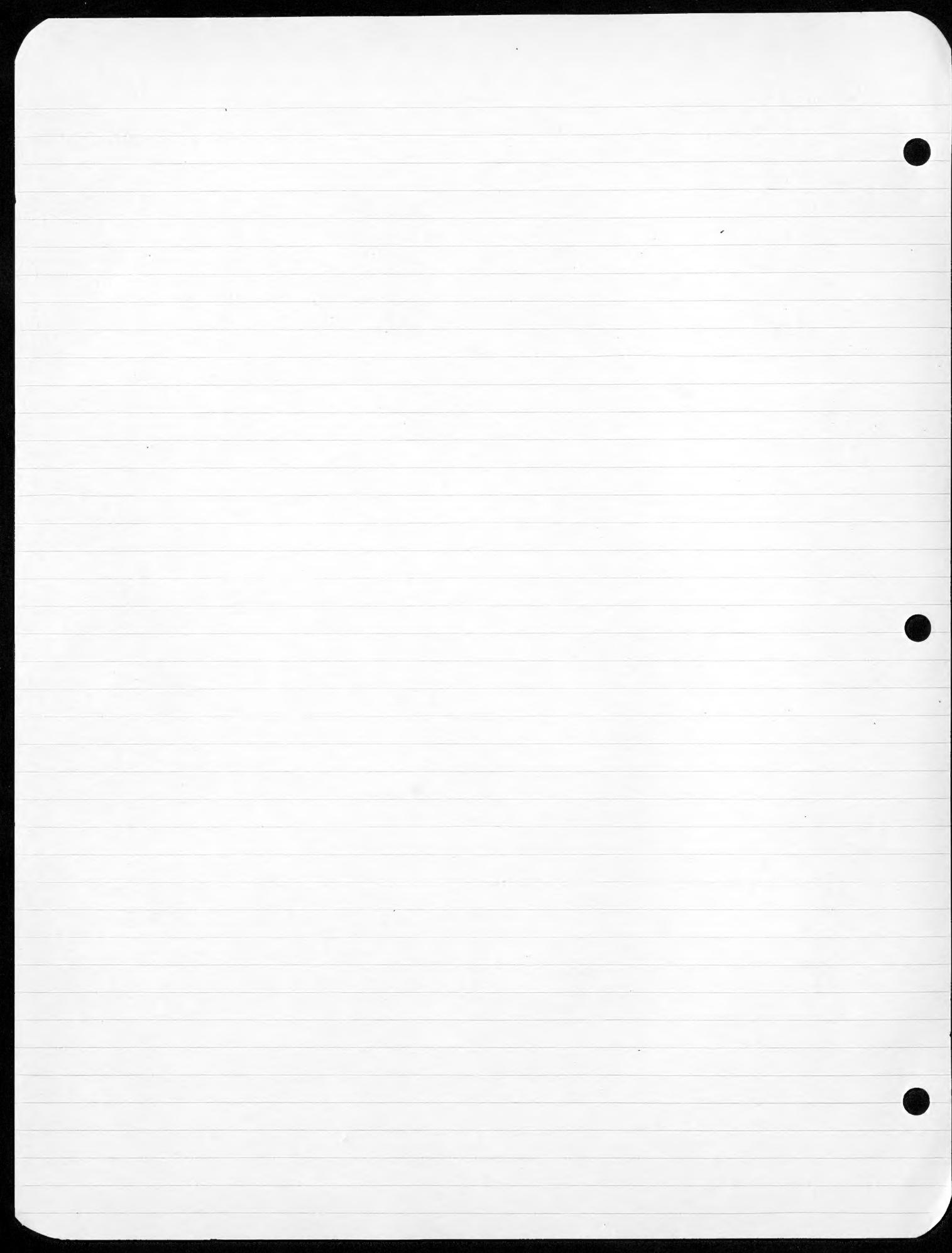
Rain forest - top of range

Epiphyts & parasites

19911. *Hymenophyllum*. Moosy trunk of a tree.
17. *Polyptilum*. Leaves pendent.
18. " On fibrous covering of a fan palm stem. Pendant $\frac{1}{2}$ m.
21. " trunk of a fan palm. Pendant at 1.95 m.
24. *Bartramia* Stem twining 1.5 m. Showy pink fls.
26. *Platycerium alcicorne*. F.

Mosses

19911. Moosy trunks of trees.
19912. Lower trunk of a tree
18. Dry twigs in U.S.
14. " " "
27. A. Lower trunks of trees



Ro. Sh.

Pain fair- serowth

Tree

Shrub

19820. Mar. 2 m. fls. cream. "Ranunculus" at Tager Gap.

Shrub

19939. Form older. Element of the very thin ground flora of old
and growths. (Diplazium?) 50-80 cm.

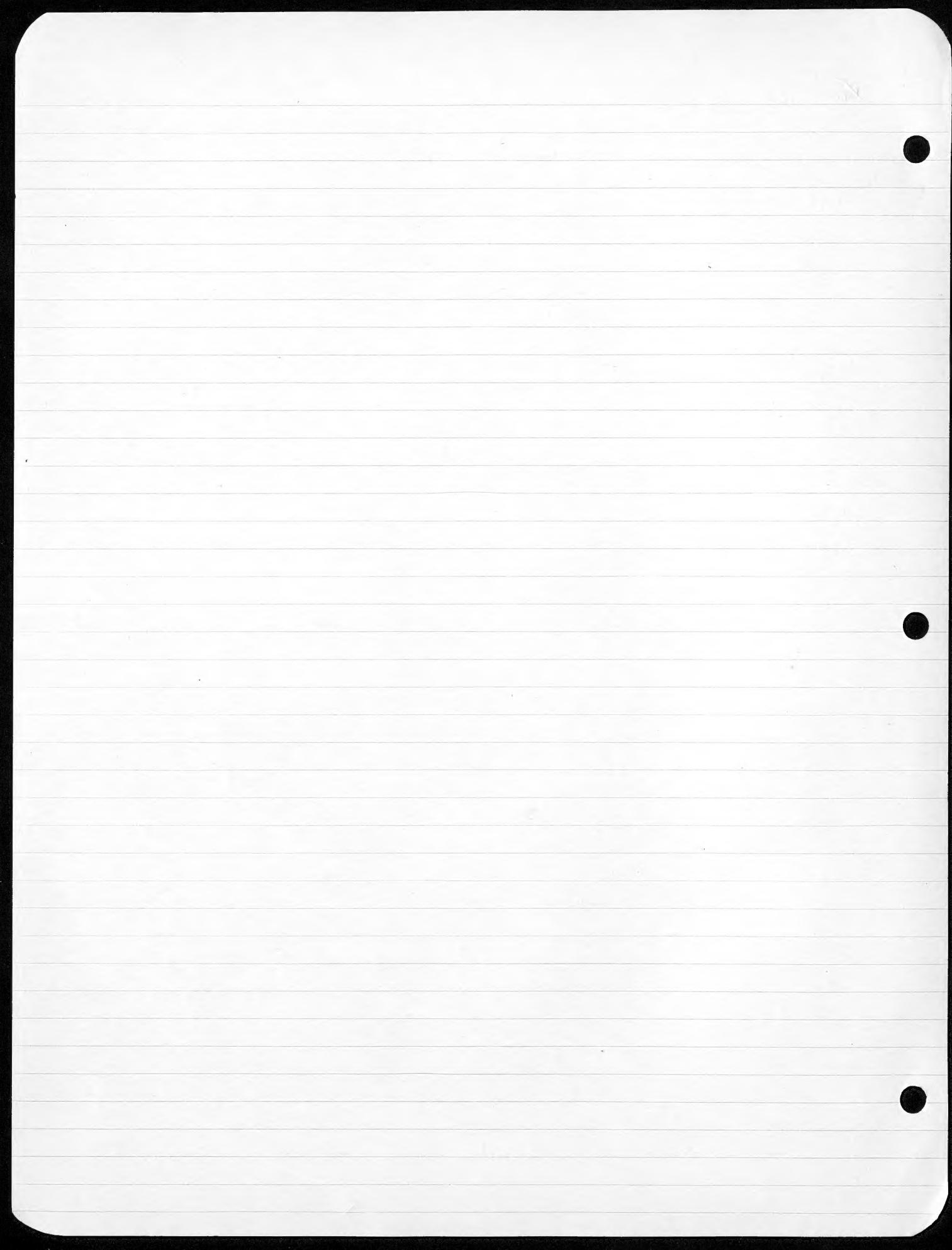
40. Dianella. " " " " 80 cm. Fls. pink blue.

Plant eaten by horses.

42. Cyb. " " " " Flowers 70-80 cm.

19828. Rosaceae

P. in old and growths in dryish P.



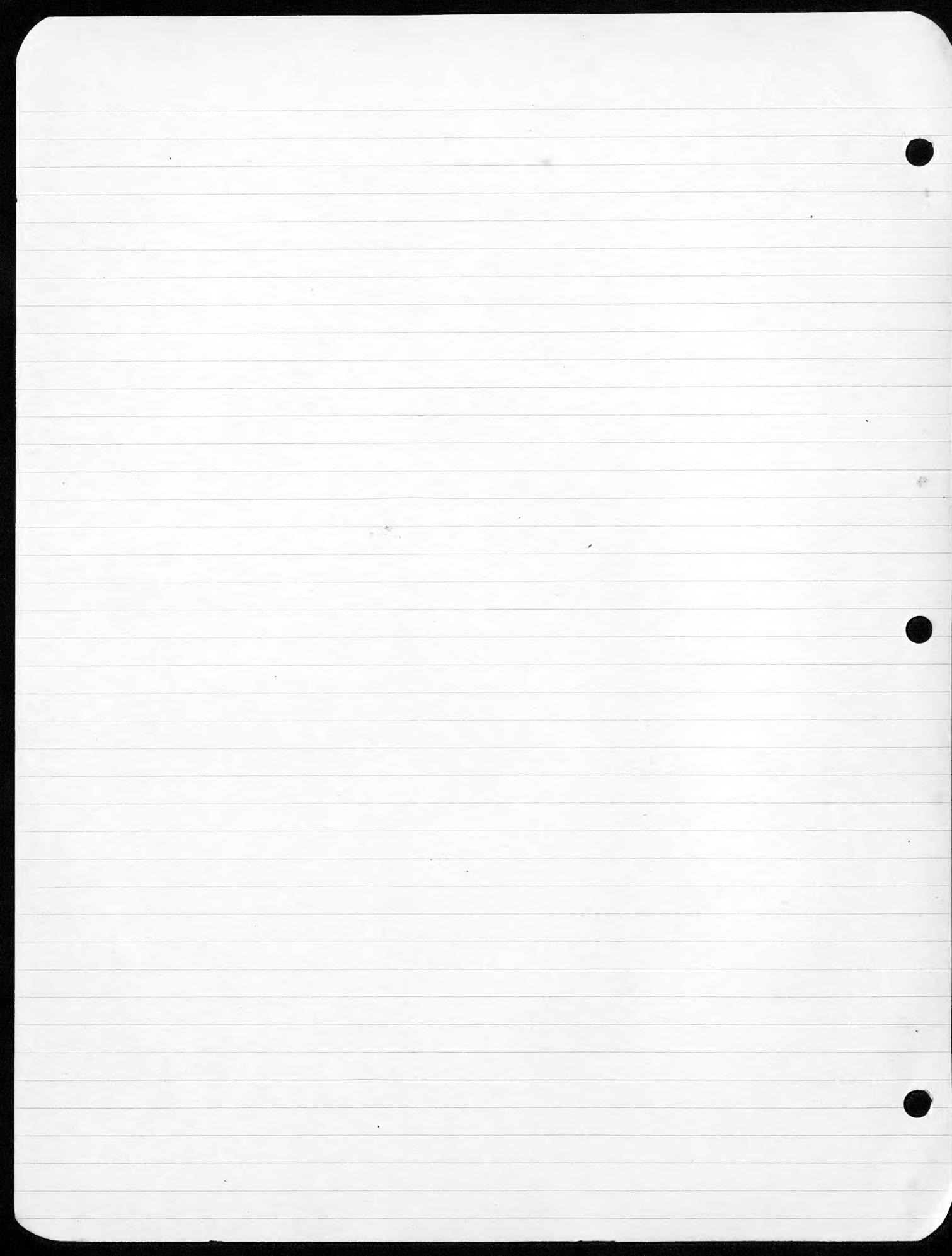
Zoo tk.

Rain forest regrowth

Timbers

18844. ?

5 m. th. which

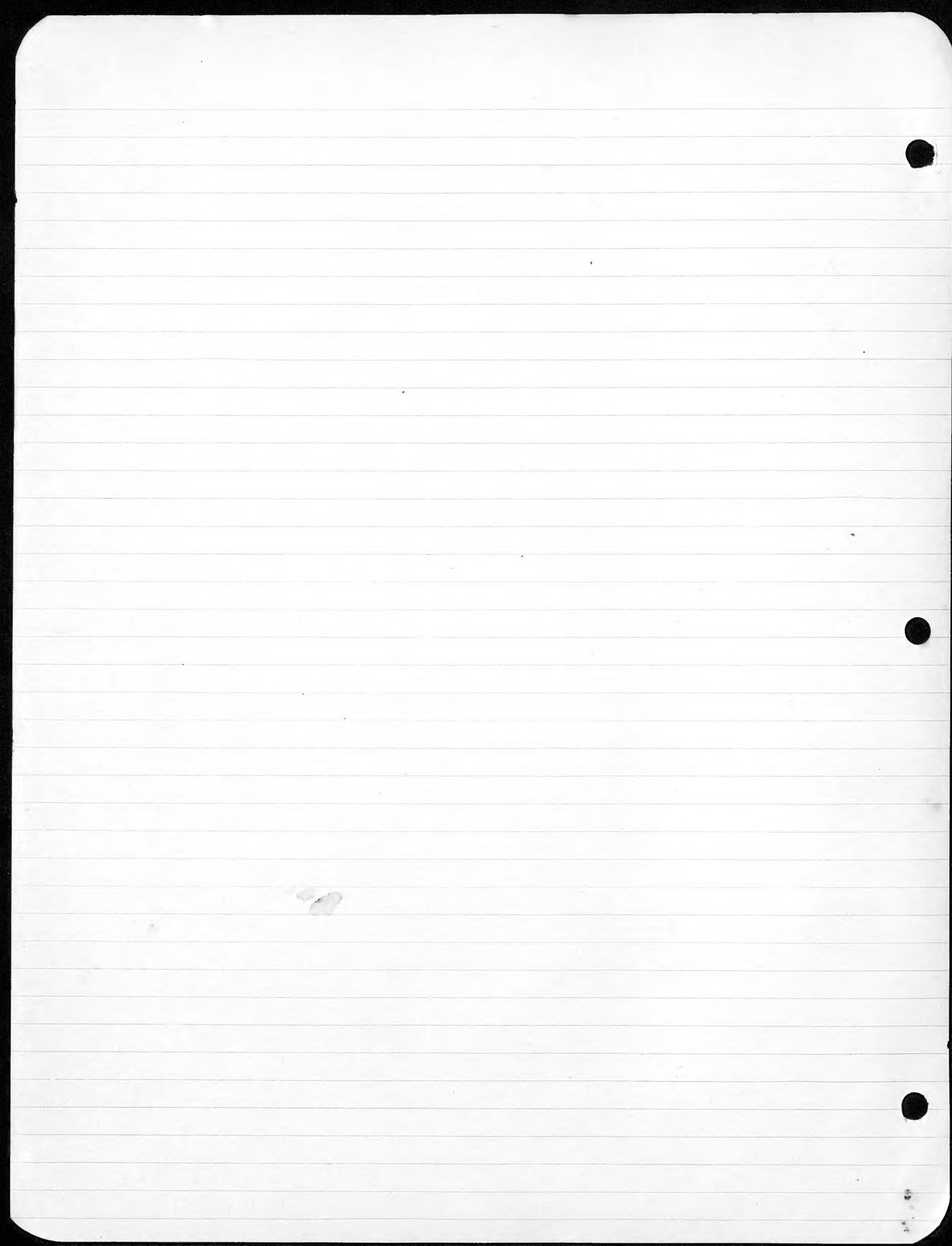


Shipioni Fls

275-350 m.

Rain forest of creek banks & flooded islands.
(also gallery woods of *Yurkia*).

Savanna form.



Shrub & Tree

Tessmann forest

Trees

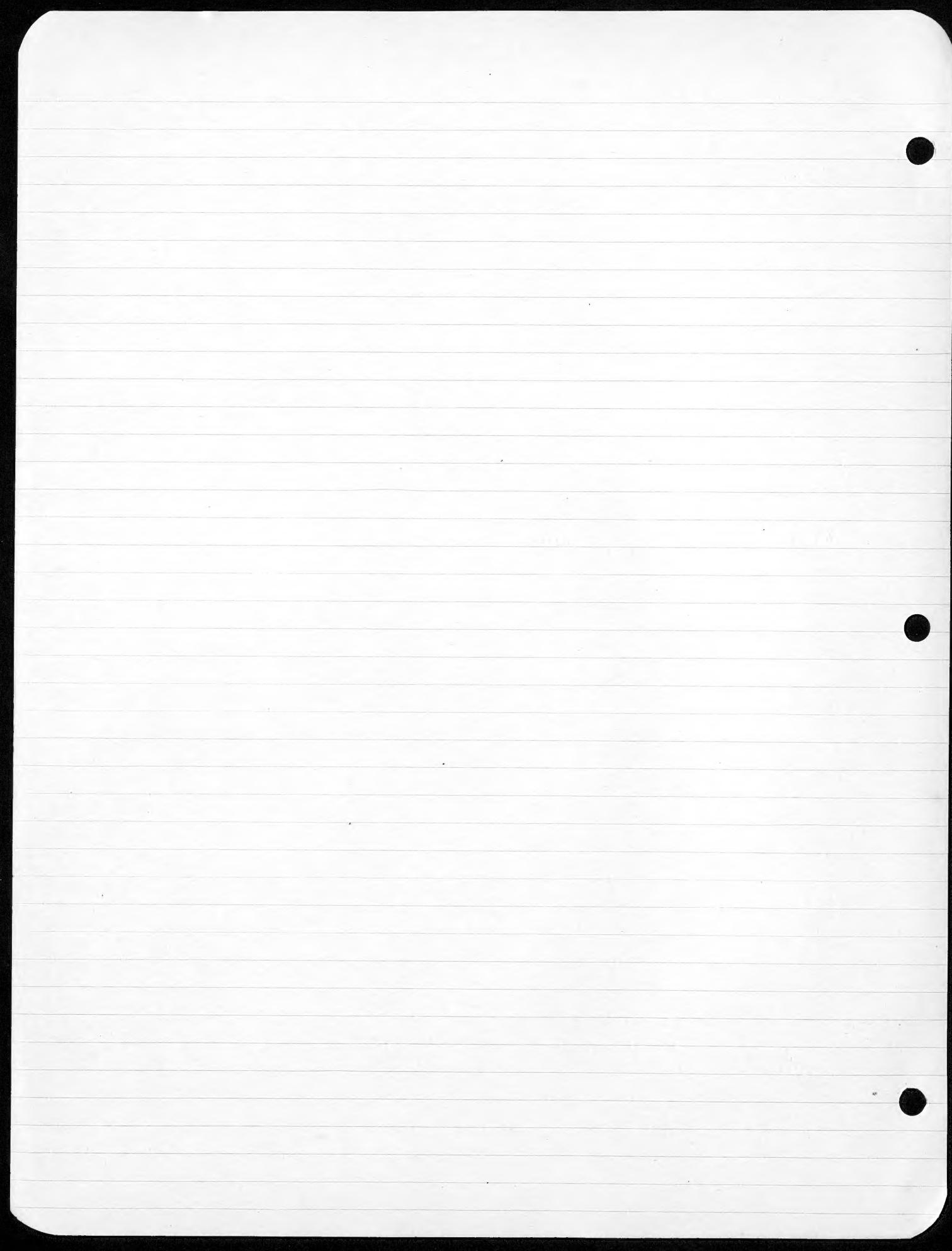
20078. *Trunner?* Banks of creek. 15-20 m. Fls. wh. (From Person south).
20187. *Banksia* C. 6-12 m x 25 cm. Fls. gr. yellow. Little flower.
95. *Lycopodium glomerulatum* C. subcylind. tree in tall st. 15-20 m x 40 cm. Fls. ? Fibrous brown bark.
20257. *Tessmannia* Fanci oak (300 m alt) Locally fl. in *Eucalyptus* st. 15-16 m x 40 cm. Thick, caky, deeply channelled br. bark.

Shrubs

20167. *Tallistrama* ^{virens} *virens* Rocky bed of stream. Tree or shrub 2-6 m. Fl. red.

Herbs & grasses

20008. *Bromi.* C. 60 cm. Fl. yellow, rayless (Asteraceae ?)
20159. *Myrsinopsis* Covering a granite shelf on bank of stream. 1 m. Fls. raised on 16/11/2005.
60. *Schizocar* Fl. on rocky slopes 30-45 cm.
65. *Ardisia* C. on dry slopes. 1 m.
66. *Panicum* Dry banks of a stream. 280 cm.



Thailand

Savanna forest

Glaciers

Epiphytes & parasites

20008. *Polyphid.* Large clumps low on trees. Bunch of shield leaves.

23. *Horathis*. H. on *Burmanum* tree. Fl. green, leaf red.

20158. *Platycerium alcicorne*. C. (also in rain forest).

20231. *Dischidia*.

Mosses on bark of a tree. Fl. green. Many gray small leaves

31^A. *Pygophorus*

H. in large mass. Sub-pendent 40-65 cm.

58. *Dendrobium*

40 cm. Fl. wh. Lip red yellow. Very delicate fl. in open savanna.

Mosses

20022.

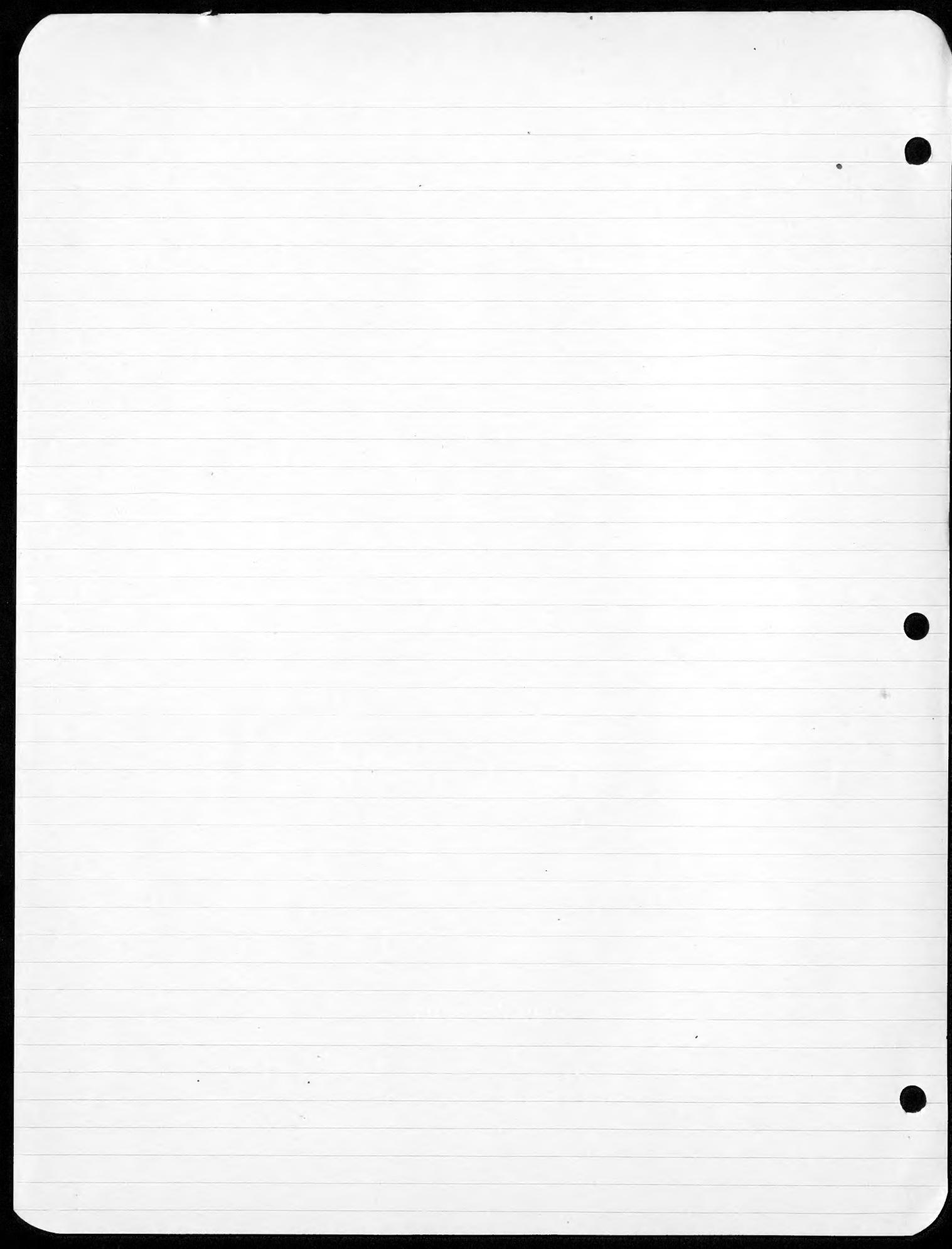
Stony road banks

20168.

Very large gray-green cushions

20169.

Gray-green cushions on charcoal.



Shipton's Fls.

Palm forest of moist banks & flooded islands.

also gallery woods of ditches

Trees

Blighia sapida involucrigera

20014. ~~Observead?~~ C. in gallery forest 70-20 m x 80 cm. Fl. yellowish. Fl: ?
 20164. Legum. P. in thin forest 70-20 m x 85 cm. Fl: ? Seeds red. Leaves
 occasionally bipinnate

20280. ~~Xanthoselasma~~ ^{These} *Xanthoselasma* ^{oblonga} *A. chin.* tree of rocky banks of creek. 70-25 m x 60-70 cm. Fls.
 yellow. Fibrous-scap. Brown bark. Almond fruit flowering
 One tree 10 m x 20 cm. in gallery fl. Fl. cream. Fl: ?
 26. Moraceae. St gallery fl. 12 m x 15 cm. Fl. gr. wh. Fl: ?
 27. ~~Acroclerpis~~ St *Psychotria* ^{sharpi} *ana*

Woody undergrowth

18993. *Dracaena*. Shrub, unbranched. 60 cm. Fl. pale purple.

20005. *Rapanea* Tree 6 m. Fl. cream

17. *Psychotria*? ^{tree 10 m x 10 cm} C. in dense cl. Tree a shrub 2-3 m. Fl. cream. Fl: ?

18. *Adenanthera porphyrocarpa* 3-6 m. Red rotule fl. Fl. young.

19. *Psychotria* sp. nov. 2-4 m. Fl. green, white.

20162. ? .. " Fern shade on bank of stream. Shrub 80 cm. Fl. ? Fl. gr. delicate

78. *Pithecellobium* 1 plant 1.5 m. Fl. cream, waxy purple.

79. *Pandanus*? P. tree 3-5 m. Fl. ? Gray-gr. scurfy fl. (Loranthis also)

20225. *Psychotria* 1 shrub 1 m. Fl. wh. Fl: ?

Herbaceous undergrowth, *Homalanthus longifolia*

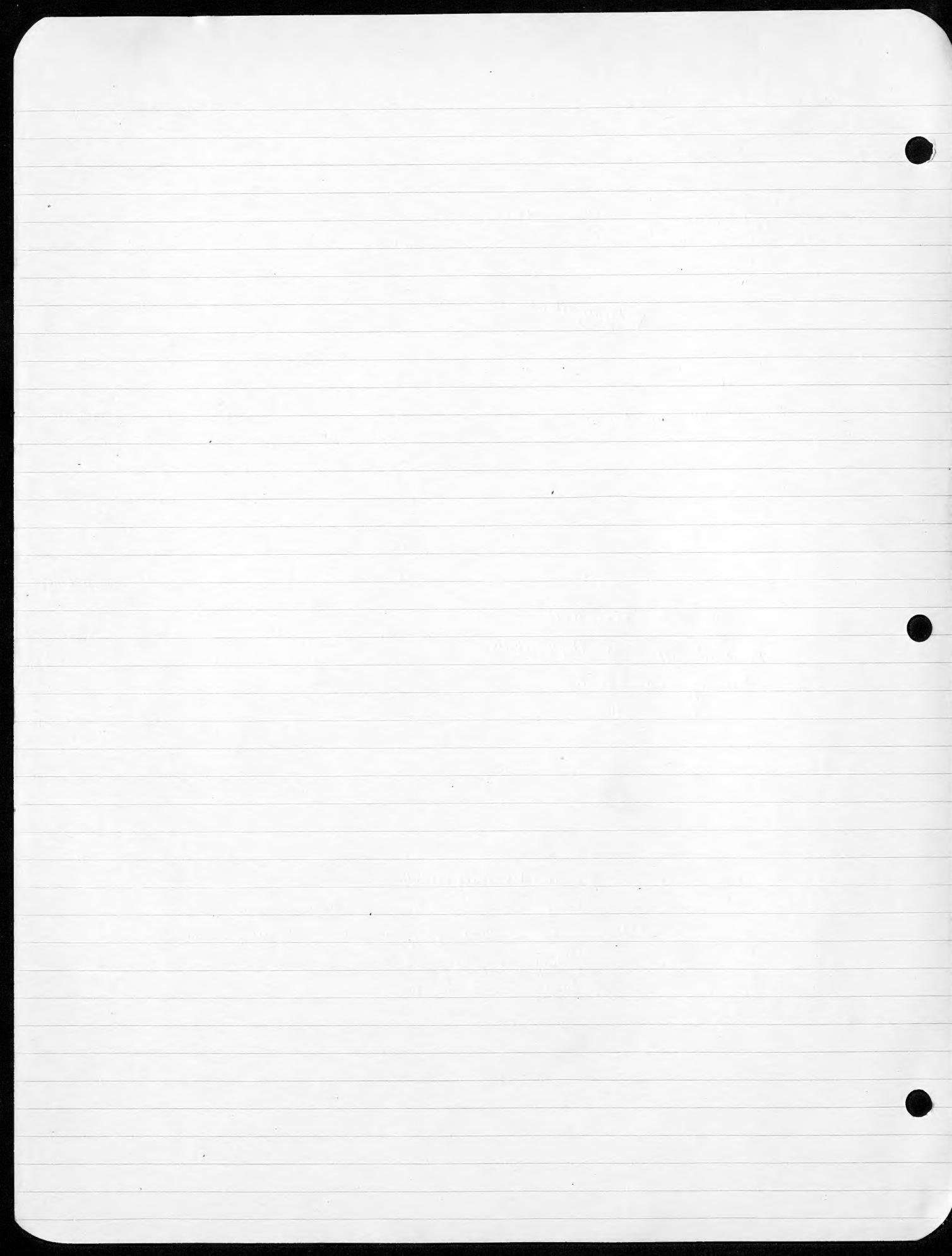
20010. ~~Kentia?~~ A. large clumps in semi-shade on moist banks. 1 m.

11. *Gahnia aspera*? semi-shade in flood bed. Fl. red. Small clumps.

12. *Theilanthus*? Gray. dry shady banks. 30-60 cm.

13. *Lindernia*. Mound on shaded rocky banks. 5-10 cm.

20261. *Bryophyllum* Moist rocky stream banks. 60 cm.



Shipion Fls.

Rain forest of creek banks & flooded islands

Epiphytes & parasites

20016. *Wolffia* On woody v.s. fls: wh.

20157. *Dendrobum trinitae*. F. climbs down. Fls. br-wh. Lipped green & with pink spur.

58. *Platycerium alcicorne*. C. high & low. (also SF).

20230. *Brotolema*

subfuscent

59. *Hypoleium nobile* On rocks & low on trees in gallery forest. To 1m.

60. *Polyph.* " " " " 100-120 m

Mosses

20020. On drift logs.

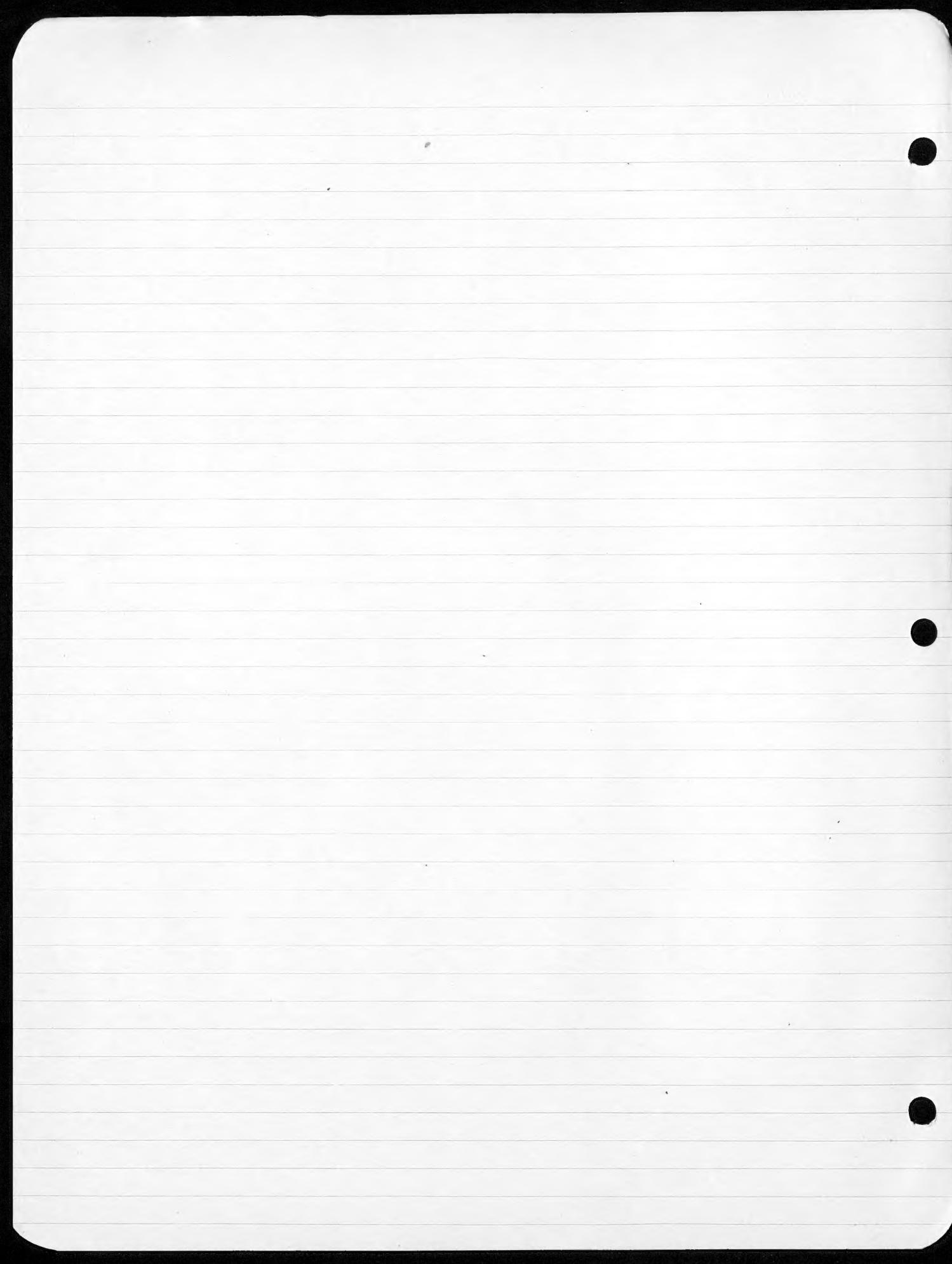
21. Rotten wood.

20168. Forming very large gray-green cushions on moist shady banks of stream.

70. Moist granite rock on bank of creek.

Clayton

20228. *Egmontia* P. 2-3 m. in partly R.F. v.s.

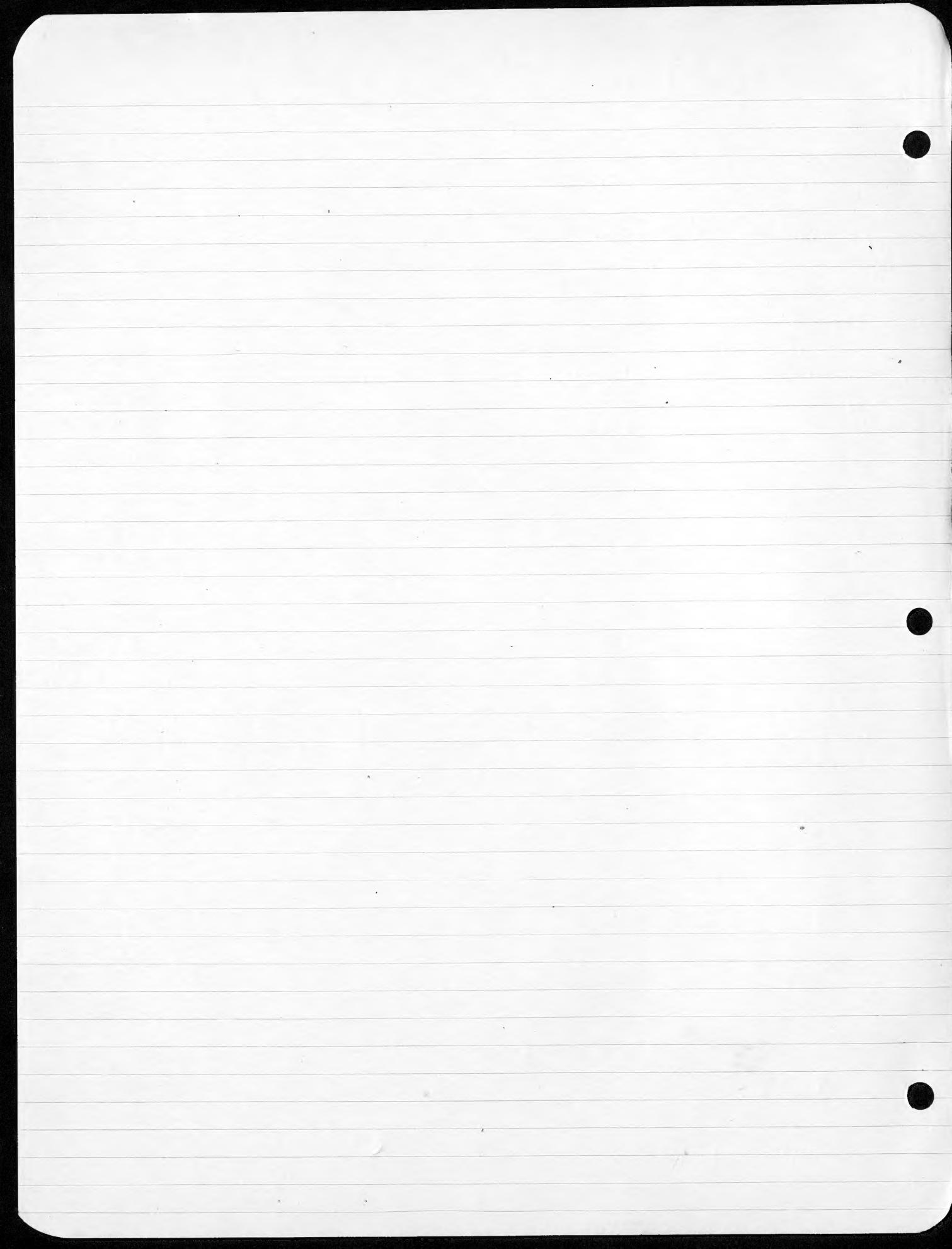


Upper Parrot R., Amazon River. 950 m -

Rain forest.

Rain forest regrowth

Savanna forest 350 m. a.s.l.



Upper Parrot Bl.

Pain fonsi

Canopy tree

20210. *Indigofera* ? Glauca tree 25-m x 85-cm Fls. orange. Fls.?

12. *Glaucocarpus* Bawangoffii Fl. h- 30-m x 20-60-cm. Fls.?

37. *Phy* ? *peduncularis* C. locality (400m). To 30-m x 60-cm. Fls. green. Fls.?

38. *Botanocarpus* ^{Stevens} *Thangii* ± 25-m x 180-cm. Fls. cream. Fls.?

69. ^{Stevens} *Stevens Mac Gregorii* 400m. To 30-m x 80-cm. Fls. cream.

90. ^{Stevens} *Stevens spectabilis* Fl. 400m. ± 25-m x 40-50-cm. Fls. cream.

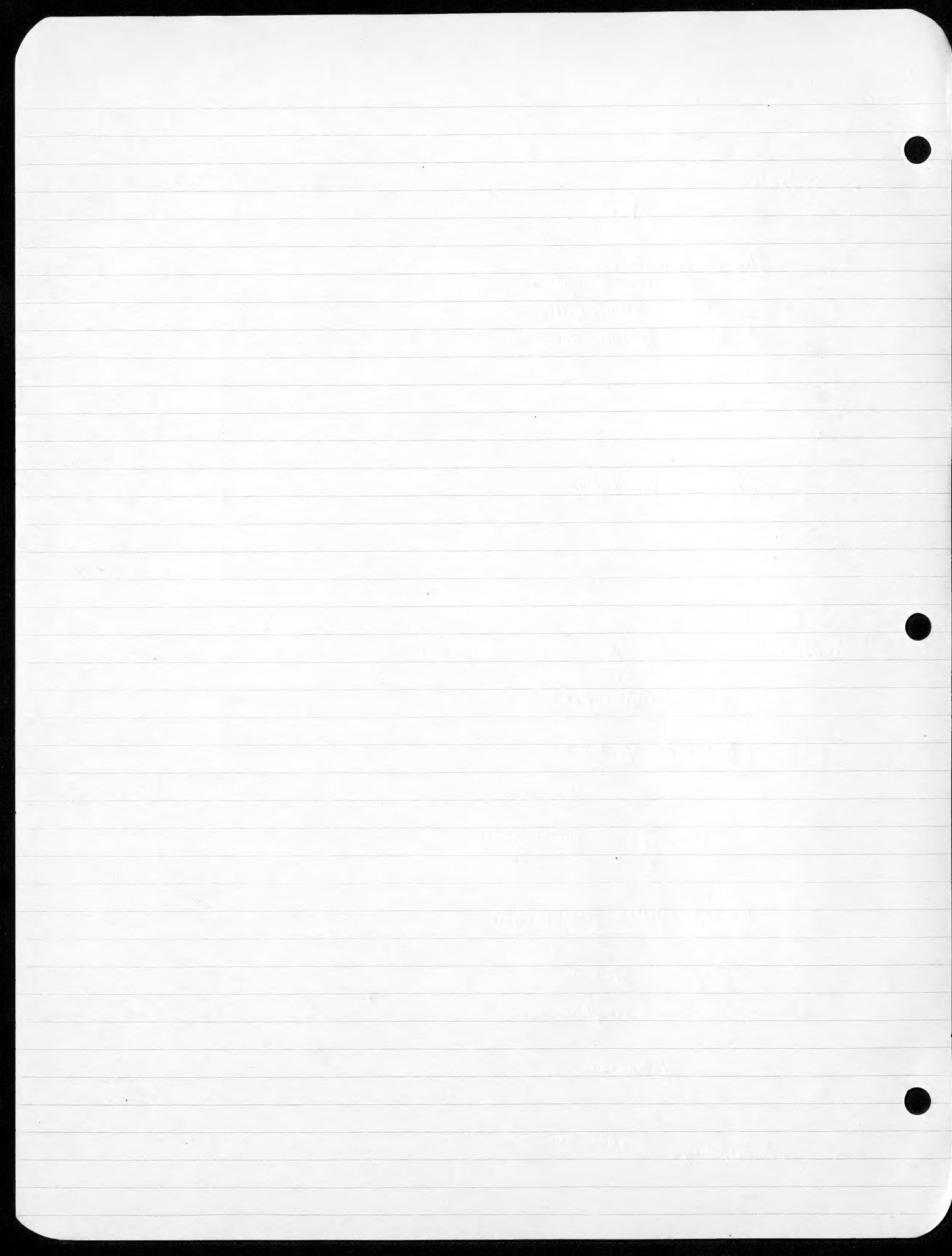
78. *Acacia* *antecarpa*? "Sweet hickory"? Fl. in edges of RT. ? on west of ridge within the forest. To 30-m x 70-cm. Fls. ? Hard, yellowish fine wood Gr. Ganta.

20307. *Arat.* O. 500-m. To 25-m x 30-cm. Fls. blackish-purple. Fls. black. (2 from page 28)

19. *Terminalia* *quadrifida* S. 450-m. To 25-30-m x up to 30-cm. Fls. green. Deciduous. Most trees now leafless.

22. *Flindersia*

Subsidary tree *Decaisneia megalocephala*



Upper Parot Rk.

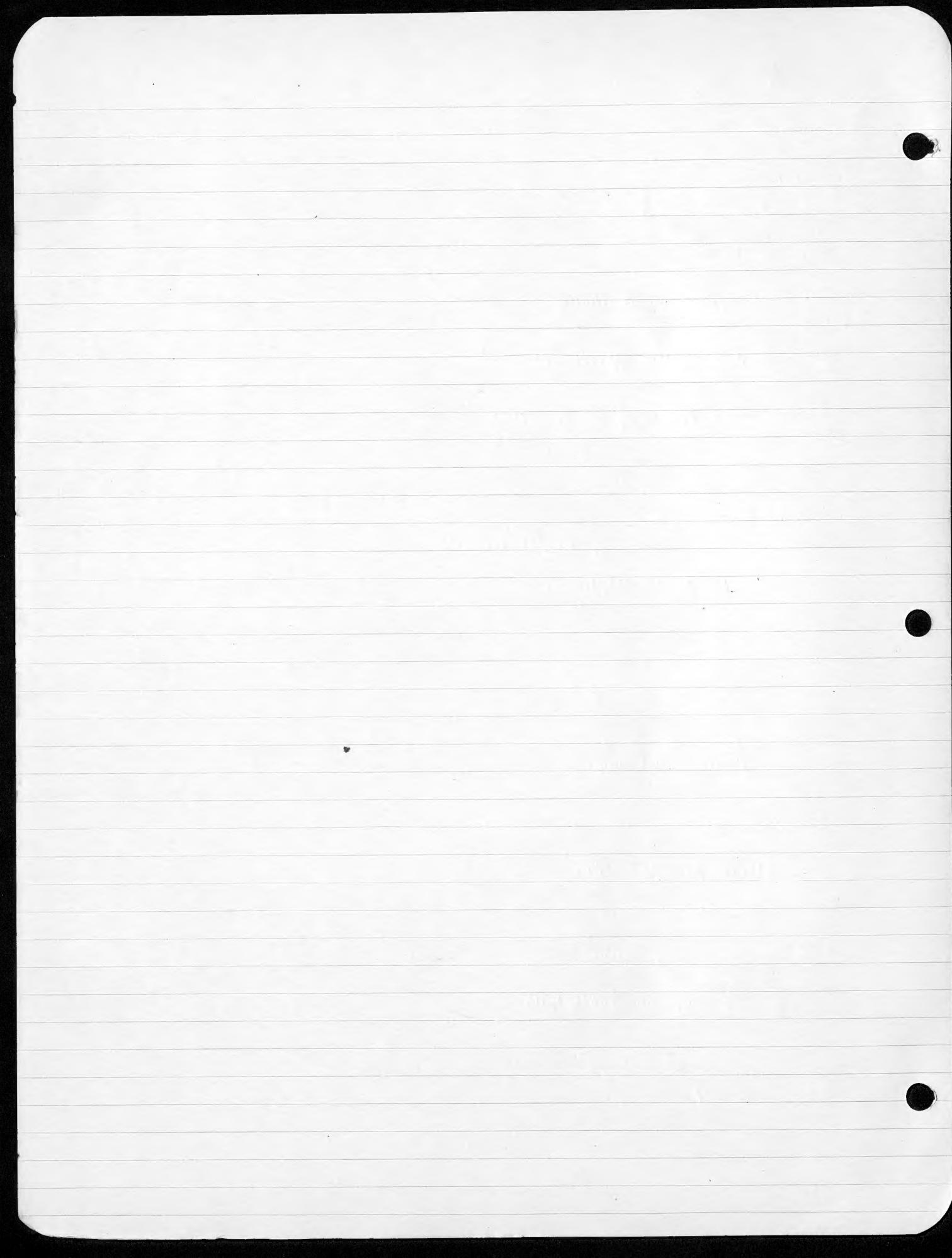
Rain forest

Edge trees

20204. ?
 07. *Diospyros* 10 m. 1.6 m. Fl. ? Fl: subglobose, red, 3 cm. dia.
 12. ?
 14. ? 16 m x 15 cm. Fl. buds only. Fl: orange, hard, depressed globe 6-7 cm.
 66. *Betula austriacana* 10 m. (500 m). Fl. buds only. Fl: orange, subglobose ± 3 cm. dia.
 66. ~~Fraxinus~~ Bank of a stream 400 m. 12 m x 20 cm. Numerous sh. with long
 strap-like yellow-gr. petals in rolled in bud.
 91. *Erythrina effusiflora* 450 m. 10 m x 15 cm. Fl. yellow. Fl: ?
 92. *Symplocos* 15 m. in thin dry P.F. 400 m. Fl: 10 m. Fl. ? Fl: immature
 20303. ~~Psychotria~~ ^{Psychotria corymbosa} 350 m. 4-6 m. Fl. buds only.
 04. *Fabia* 450 m. 14 m x 15 cm. Fl. ? Fl: pinkish-red. 3.5 cm. dia.

Woodly undergrowth

off epiphyllous
 20031. *Lyggiacum* F. tree 4-6 m. Fl. pinkish-white. Fl: ?
 20172. ~~Psychotria~~ ^{Psychotria rhytidocarpa} O. tree 3-6 m. Fl. ? Fl: red, anthers orange, seeds black.
 77. *Papaver* F. tree 3-4 m. Fl. gr-white. Fl: ?
 81. *Rubus* O. tree a shrub 3-5 m. Fl. ? Fl: bark, sepals orange.
 84. *Balanus* F. 2-8 m. not scandent; stems several.
 20205. *Utria* S. tree 6-11.5 m. Fl. br. stem simple. (600 m)
 06. *Pleuroch* F. in more open forest (400 m). 1-2 m. Fl. purple.
 18. *Psychotria ferruginea* One exaph (400 m.). Tree 12 m. Fl. br. Fl: ? Fl: purple.
 24. ~~?~~ D. tree 3-5 m. 2 sp.
 39. *Myrsin*. *Myrsinaceae* Tree or shrub 4 m. Fl. wh. in heavy shade
 41. *Melicope semilifera* Fl. tree 3-5 m. Fl. cream. Fl: delicate.
 45. *Psychotria* C. in well lighted situations 500 m. Tree 6-12 m. Fl. wh. Leaves small
 47. *Linospadix minor* 500 m. Tree 3 m. Fl. ? Fl: immature. Leaves shiny, hairy, grey below.
 64. *Psychotria* 1 m. Stems several. Fl. yellow-orange. 400 m.
 83. *Solanum* O. under open canopy conditions 450 m. Tree 2-3 m. Fl. purple.
 86. ~~Psychotria~~ ^{Psychotria haptophylla} 450 m. Tree 5 m. Fl. yellow. Fl: dark.
 20310. *Psychotria* Fl. edges of a rocky opening, 500 m. Fl. br. 1.5-2.5 m. ^{Fl. 1.5-2.5 m. 8} leaves thin
 11. *Rub.* Fl. under broken canopy 3-5 m. Large wh. fl. straight, ⁸ ^{anthers} ⁸ ^{stems}
 17. *Utria*. O. 450 m. Tree 3-5 m. Fl. buds. Fl. purple. Leaves
 radial at apex of the few erect branches, 80-110 cm ^{long}
 20302. *Psychotria*. O. in grotto 550 m. Large sh. 10-12 m. tall. Numerous arching
 & spreading funds 1-5 m. long.



Upper Parrot Tr.

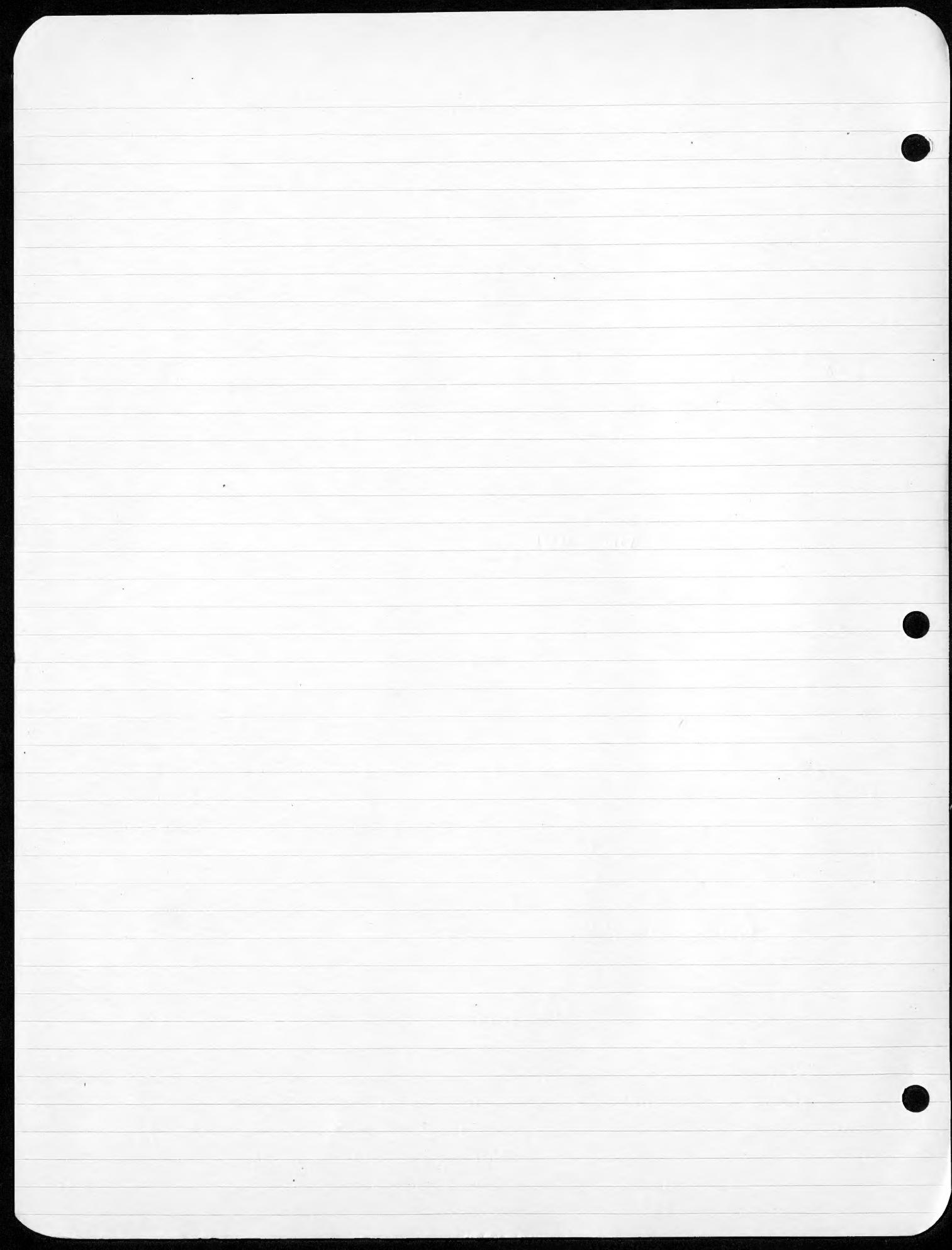
Rain forest

Subaceous undergrowth

20026. *Dysphania* scattered on open banks of streams. 70-80 cm.
 25. *Fern*. One plant shady " " 110 cm. Leaves arched.
 26. *Dysphania* Open banks " "
 28. *Polygonum* Gray steep clay " " 20 cm
 29. *Lindernia* " shady " " 55-60 cm.
 30. " " Among rock " " Flat spreading leaves.
 20175. *Fern*. C. in dry parts 40-60 cm. Follows ferula.
 78. *Polygonum* Gray moist rocky creek banks.
 83. *Orth.* Grouped here & there on gray banks. 20-30 cm. Small green & man fls.
 20216. ~~Asymmetropus~~ *Asperula*? C. groups in rocky places. 2-2.5 m. Long sword leaves. 400 m.
 29. *Patrinia* C. in dry parts 400 m. Follows C. orange-yellow.
 33. *Mecanopsis* *Primulaceae* Eng. on seepage wet soil. 115 cm.
 68. *Urticaria* One plant in open dry flooded 400 m. Large fl. 1.5 m
 69. *Blechnum* A. rocky bed of c. 400 m. 60-70 cm.
 20309. of *Thymelaeaceae* Eng. in dry open places 500 m. Fl. white.
 15. *Orth.* S. on gray bank ^{400 m} 10-15 cm. Fl. wh. with 2 green bracts 10-15 cm.
 16. " " 15-60 cm. Fl. wh. with whitish tips

Timbers

20179. *Pothos* V.C. root-climber to 10 m. Fls. bluish, shiny dark gr.
 82. *Piper* V.C. twining climber of trees to 10-15 m. Fl. orange.
 20211. *Rhamn?* Canopy main 25 m. Fls. gr. Fl. unisexual, 2-winged.
 17. *Glossyina* ^{3 m.} Fls. pale green, very fragrant. 400 m.
 22. *Tardia* ? Vine 15 m. Fl. ? Fl. purple, shiny. 400 m.
 49. *Piper* Twining climber (500 m). 15 m. Fl. shiny brown.
 18. " " Twining on v. g. 500 m. 1.5 m. Fl. unisexual.
 69. *Pisonia* C. large canopy tree 400 m. To 30 m. Fls. rose to purple pink. Fl. unisexual.



Upper Paroi Pk.

Pain forest

Epiphytes & parasites

20176. *Gymnidium* • Middle species. Large clumps 1 m. Stems butts laterally compressed. Fr grayish to green fl.
4000 m. Fl. green

20218. *Teranthes*
19. *Cyclophorus*
21. *Asplenium*
40. *Dicroidium*
52. *Asplenium nidus*
65. *Asplenium*
70. *Hemitelia*
72. *Fern*
73. "
74. *Grammitis* ?
75. *Drymoglossum*
82. *Phlebodium*
83. *Fern*
20300. *Viscum*
01. *Molophilus*
06. *Asplenium*

20176. Middle species. Large clumps 1 m. Stems butts laterally compressed. Fr grayish to green fl.
4000 m. Fl. green

19. in large masses. 25-50 cm. 4000 m.
Small clumps on granite boulders 4000 m. 4000 m. Polypores
High up 4000 m. (4000 m). 4000 m. Fl. cream.

52. 450 m. all.
Fl on creek bank rocks. Tendrils clings on boulders 30-3500 m.
Twisted on rocks. To 30 cm.

72. Creeping on moist rocks in creek 4000 m. 25 cm.
4000 m. ... " " 70-4000 m.

74. " " many " " 70-3500 m.
Mound " " " "

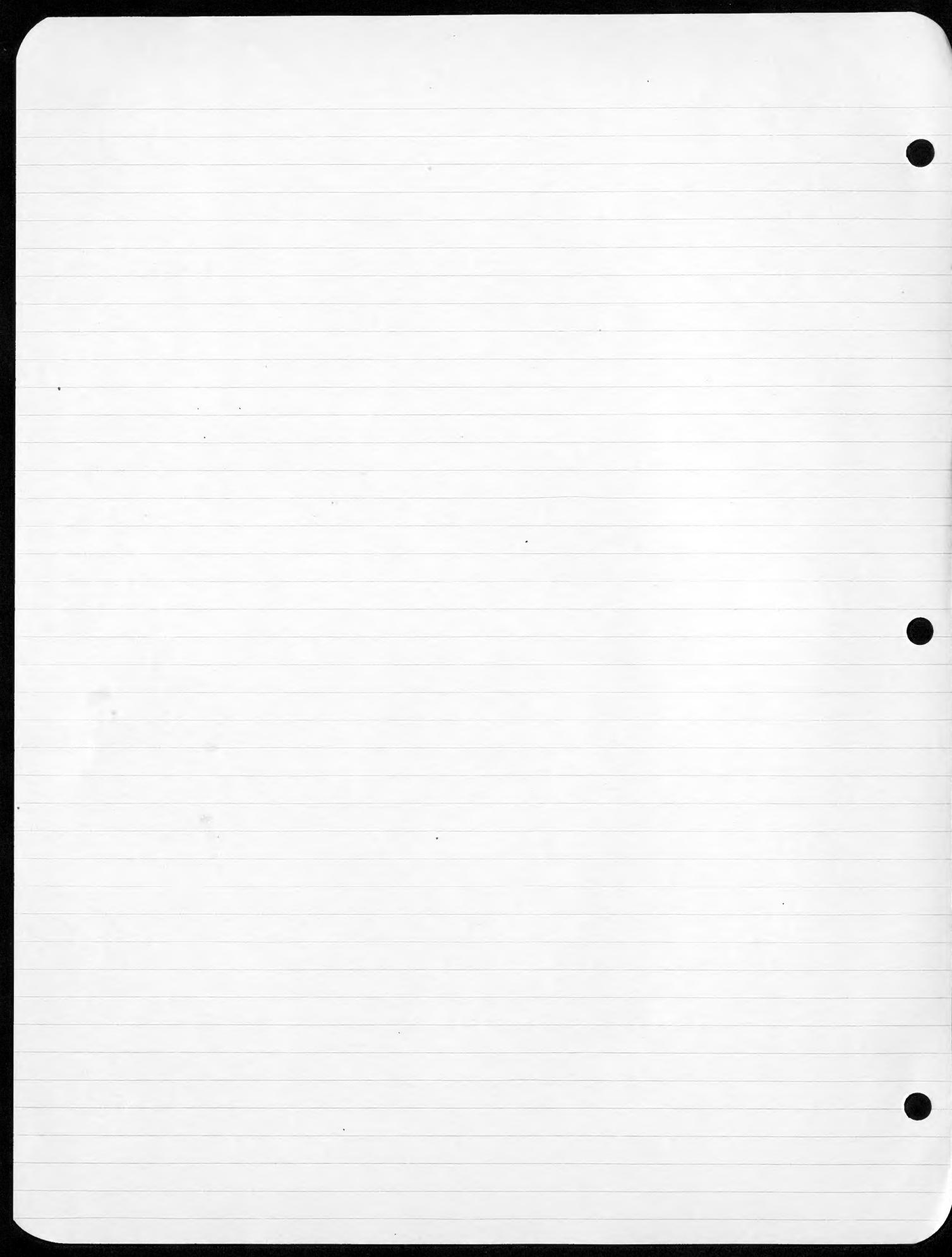
75. Upper branches of a tall tree. 1 cm. Fl. pale brown with yellow.
Flowering on lower branches of tree 4000 m.

82. On rocks high on tall tree 3500 m. Fl. white.
Fl. high on tall tree 3500 m. Large grayish masses. Fl.
Fl. mid species 3500 m. Tendrils suspended down to 1 m long.

Mosses

20034.
35. *Cladodidymum* road in RF.
36. *Mitrochidium* rocks on bank of a stream.
37. *Moist* " " " "
38. " " " "
20255.
56. On an old log. 500 m.
On stones 4000 m.
57. *Fl* on rocks in bed of ~~water~~ creek 4000 m.
58. *Moist* decayed wood
59. Creeping moist rocky bank of stream 4000 m.
60. *Moist* banks of stream 4000 m.
61. Parts of a wet bank tree "
62. Upper branches of a tall tree "
63. Flowering on exposed rock outcrop 3000 m.
64. Town banks of trees in dryish forest "

20312.
13.



Upper Parrot Blk.

Rain forest

Subsidary trees, cont.

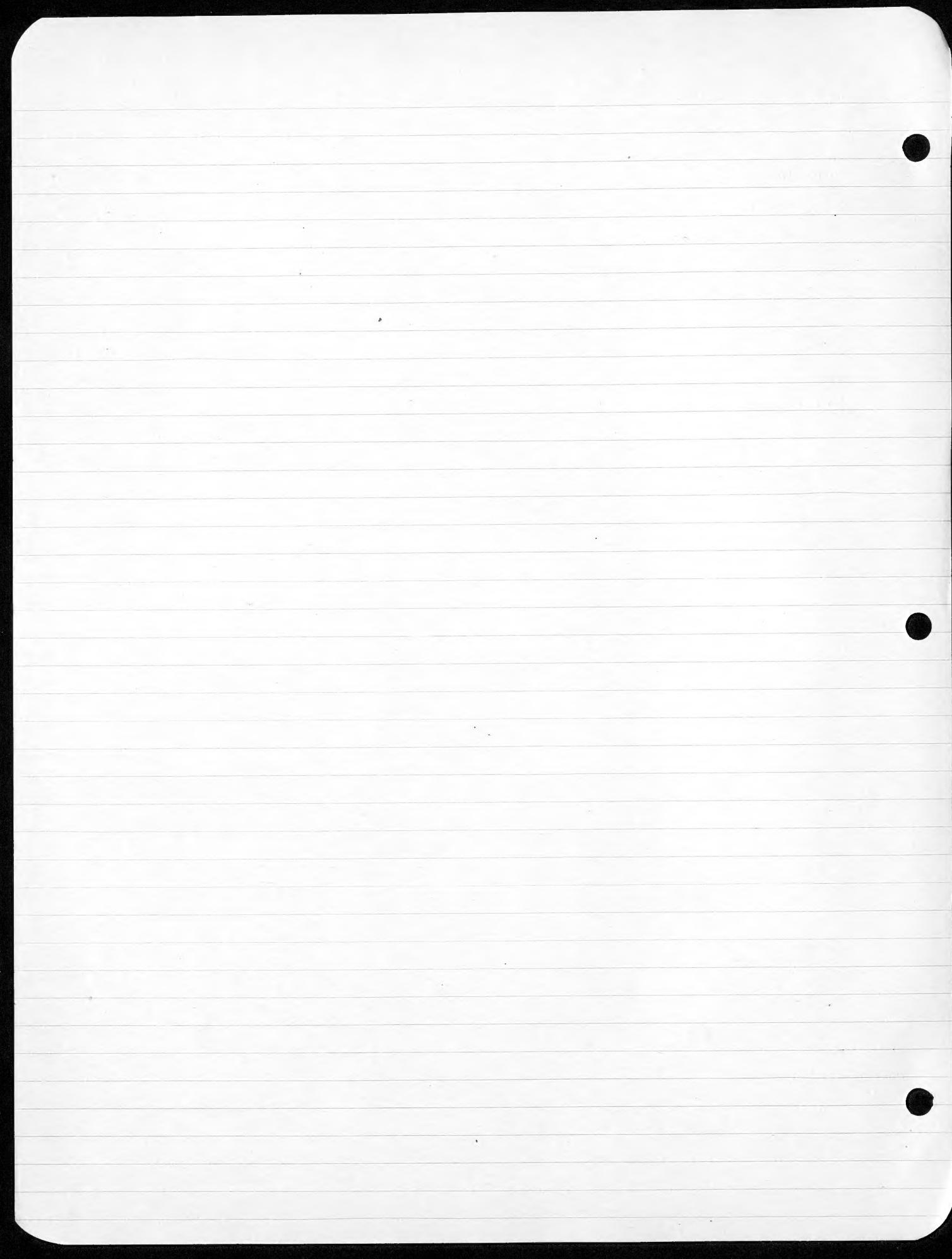
20314. *Davidsonia pruriens*. O. in dryish forest 450 m. 70-18 m x 25 cm. Fl. pink.
Fl. immature. Rain forest.

Subsidary trees, cont.

20318. *Act.* 450 m. 15 m x 20 cm. Fl. ? Fl. br. pub. unripe.
Mitchella feruginea

Mosses, cont.

20321. *Prosternon tigrinum* R. Br. 4000 m.



Upper Parrot Th.

Rain forest regrowth

Trees

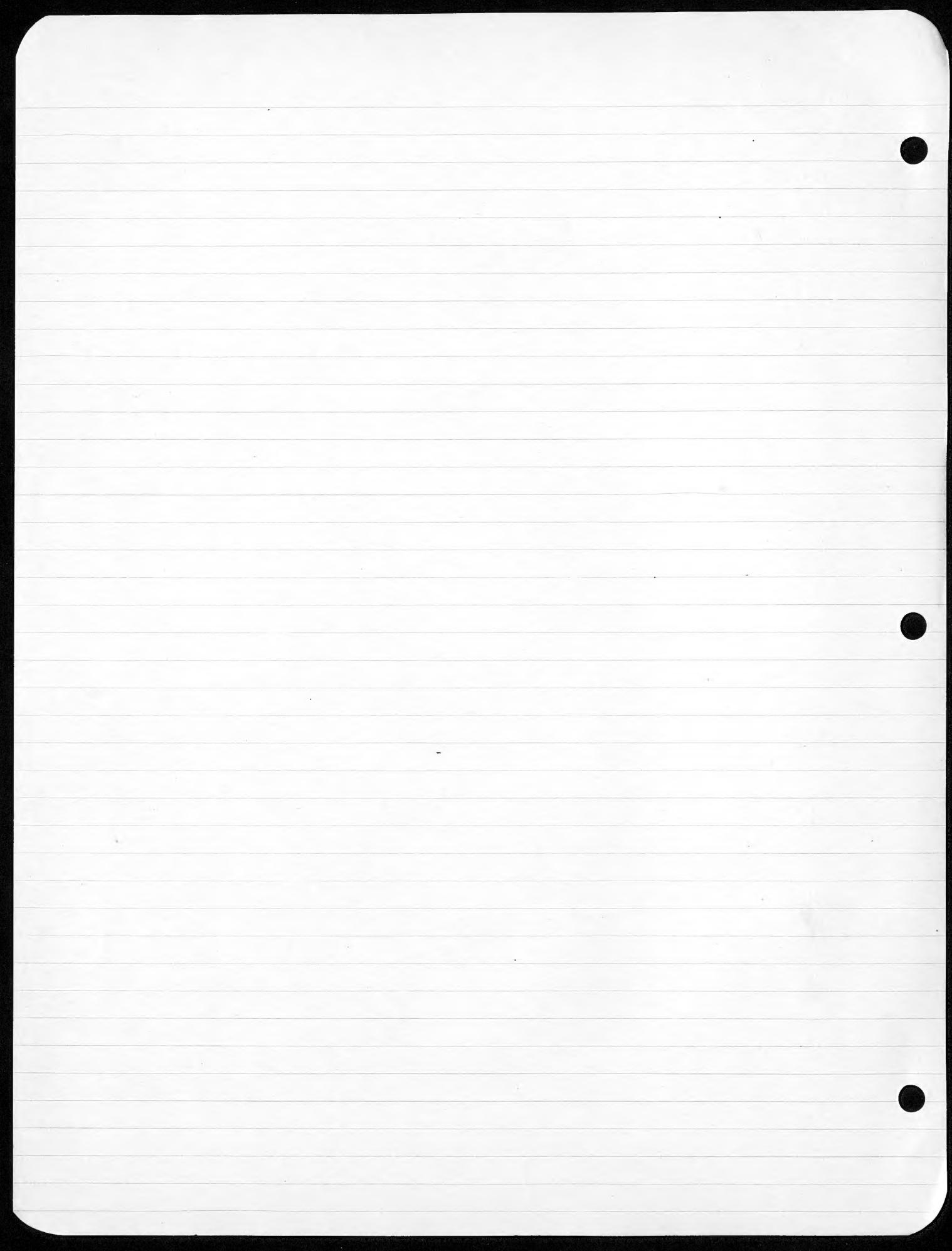
20173. *Ficus* Chokewood tree 6-8 m. Thorns & gr. saplings.
20895. *Myrsinaceae* (?) in old secondary RT. 16-25 m x 80-85 cm. Fl. yellow
20279. *Rub.* J. 6-8 m. Fl. ? Fl. unripe
20305. *Myrsinaceae* F. 370 m. 70-80 m x 85 cm. Fl. greenish.
20. *Melica* O. 16-18 m x 25-30 cm. Fl. lavender - Fl. ?

Climbers

20082. *Litsea*. 3 m. Fl. ? Fl. orange, flesh, seeds black.

Shrubs

20258. *Psychotria* 500 m. alt. 1.5 m. Fl. wh.
St. ? .. " tree or shrub 2-3 m. fl. yellow.
96. *Eupomatox*. C. tree or shrub 2-5 m. Fl. dirty white. Fl. ?



Upper Parrot Tk.

Taxa seen 300 m.

Trees

20186. *Sideroxylon* F. in gullies. 8-10 m x 15-30 cm. Showy yellow infls.
20257. *Taxa* "Forest oak" 300 m.
20262. *Taxa* Forming an understorey in fl. 7-16 m x 80 cm. Thin bark.
75. *Pinsoomia falcata* 5 m. Fls. yellow, in great abundance. Fl.?

Shrubs

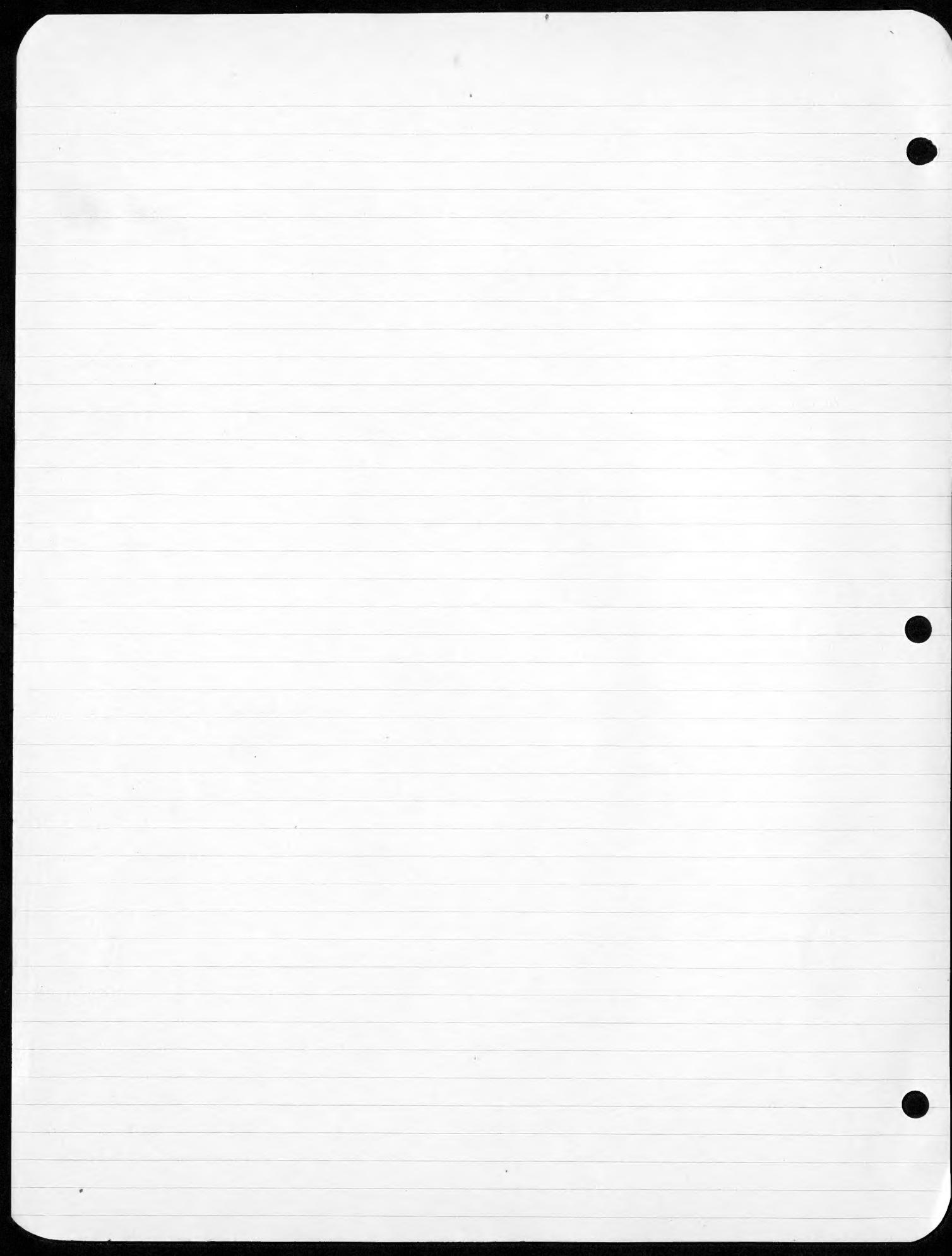
20185. *Melastoma*. C. 1-1.5 m. Fls. purple-pink. Fl.

Herbs & grasses

20284. *Themeda*. "Kangaro grass". S. grass. 1 m.

Epiphytes

20289. *Dendrobieum*. "Birds orchid". P. chiefly on *Taxa* trees. Big prof. wh. fls. just opening.

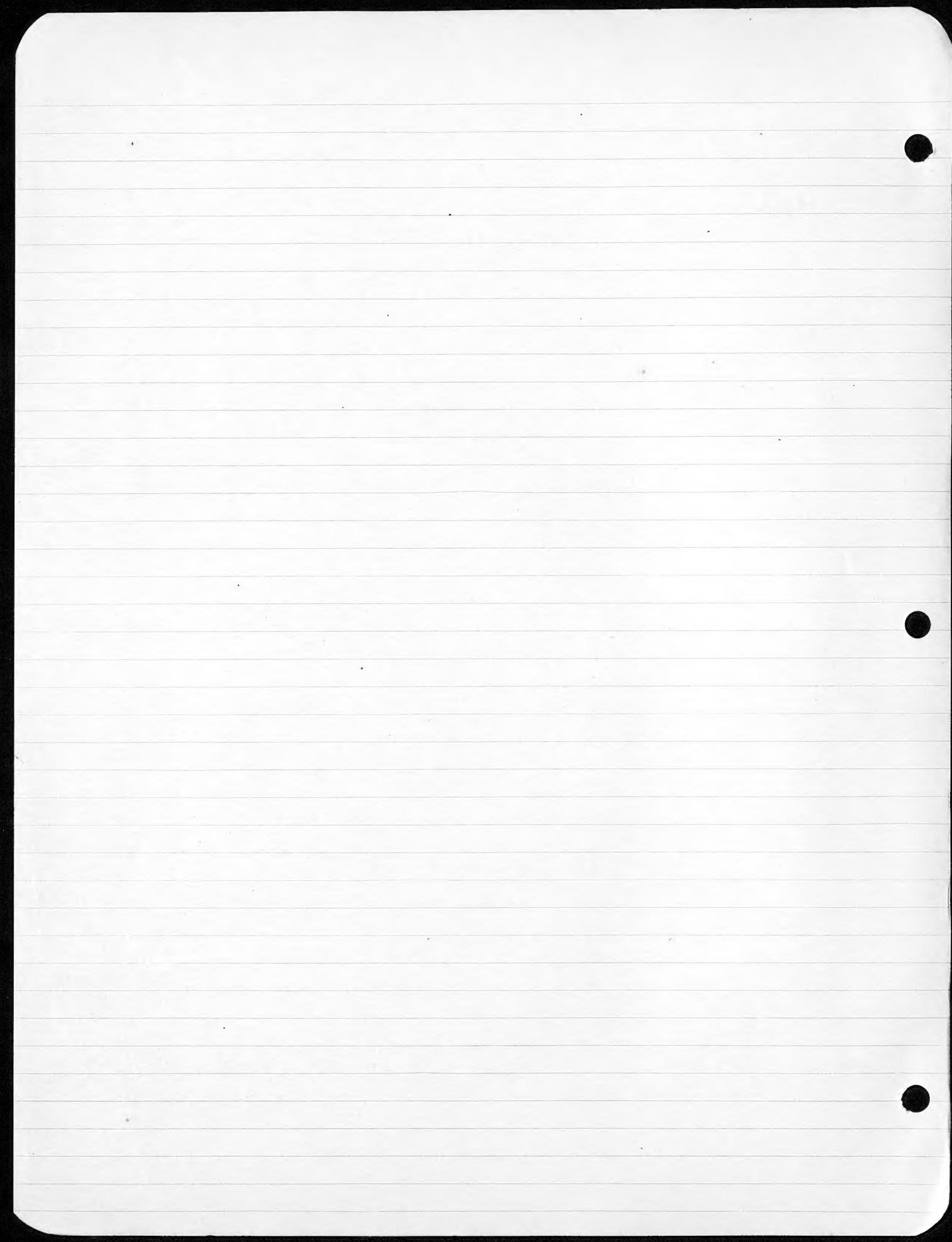


Vi. Firmeza, west slopes

Savanna forest

Rain forest. 800 m -

Rain forest marginal communities



Mt. Tinnean, west slopes.

Tourannia fonsc.

Tree

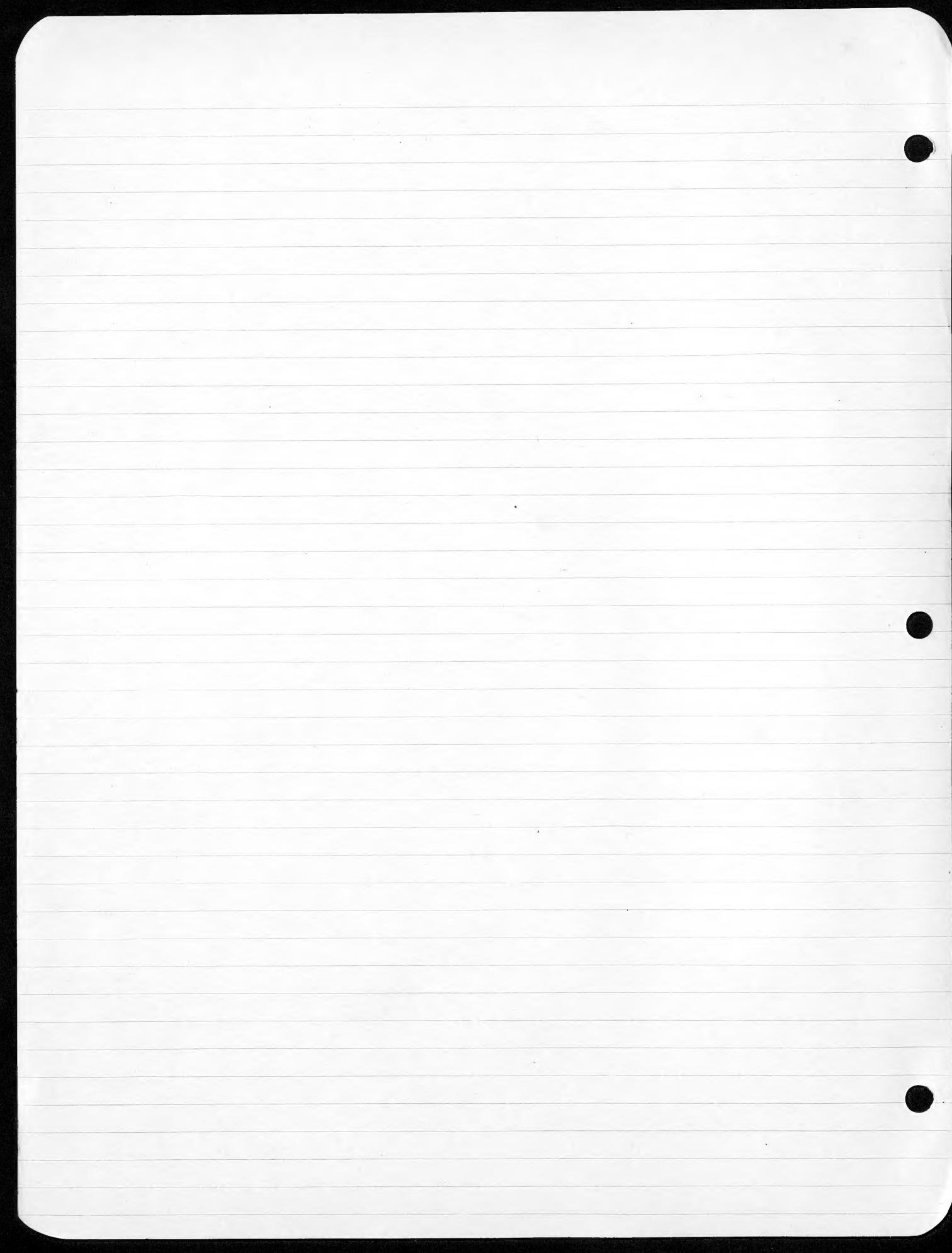
Shrubs

18 shrubs & names

19884. (rot.) O. on open ridge 600 m. Fls. lavender, showy.
95. Twp. O. " " 60-80 m. Paynes yellow fls. (Hibiscosum?)
96. Hub. (Colens?) P. on granite rock faces. 600 m. Fls. yellow, 10-60 cm. Fls. white.
20355. Twp. F. 750 m. Fls. wh. changing to lavender in drying.

Euphyllia

19887. Dendrobium P. a. barbatae var. ^{flavida} 40-50 cm. Fls. wh. & orange-yellow.
delicately scented (also lot of M. Tigris). 700-800 m.
98. (rot.) Trunk of a Tamarind 800 m. 5 cm. Fls. white, fls.



Thi: Finnegan west slopes.

Savanna forest

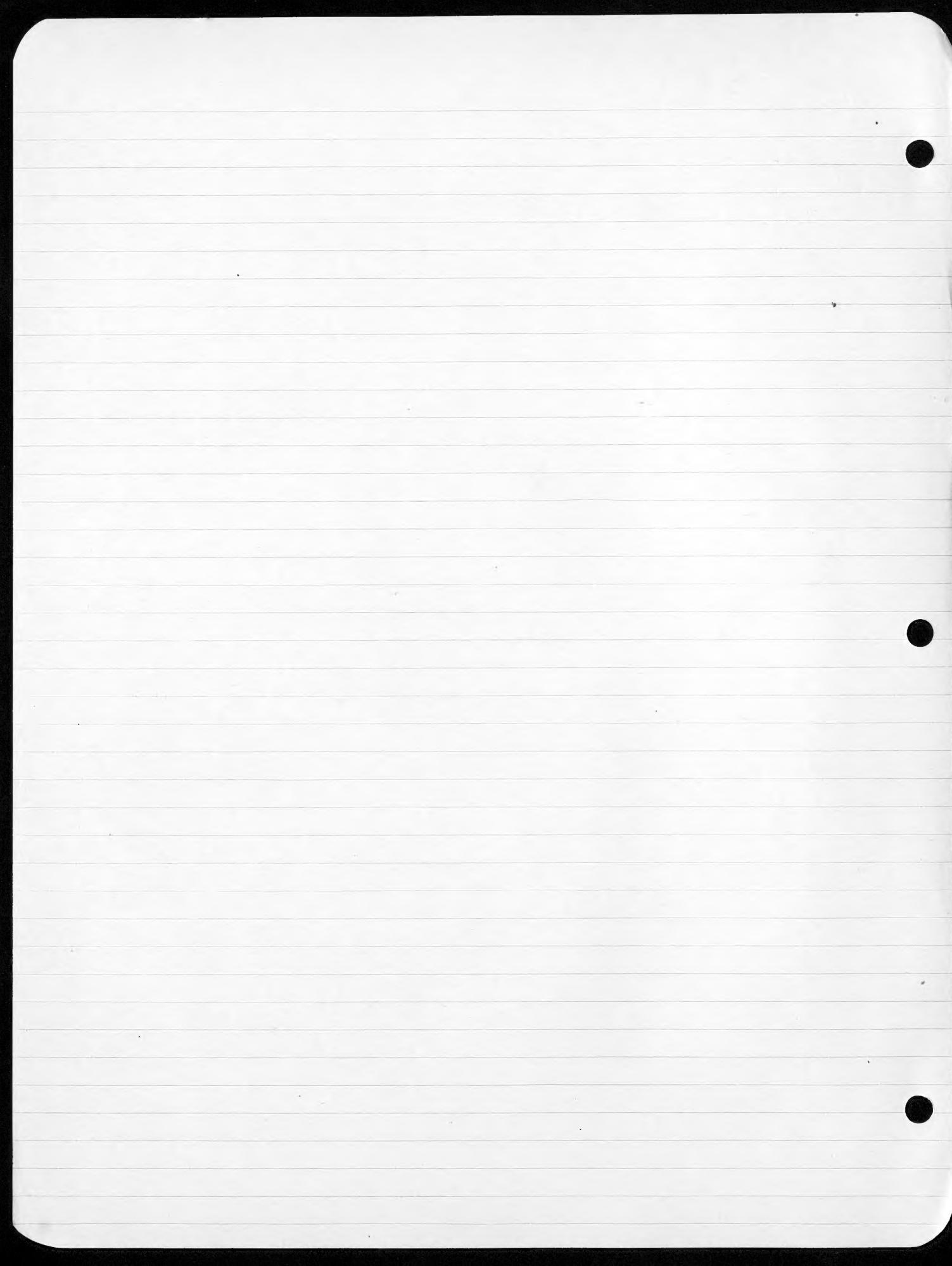
Moss

20007.

On rocks

20360.

On rocky bank of Tasmania River 800m.



MI: Finegan, west slopes.

Rain forest

Canopy tree

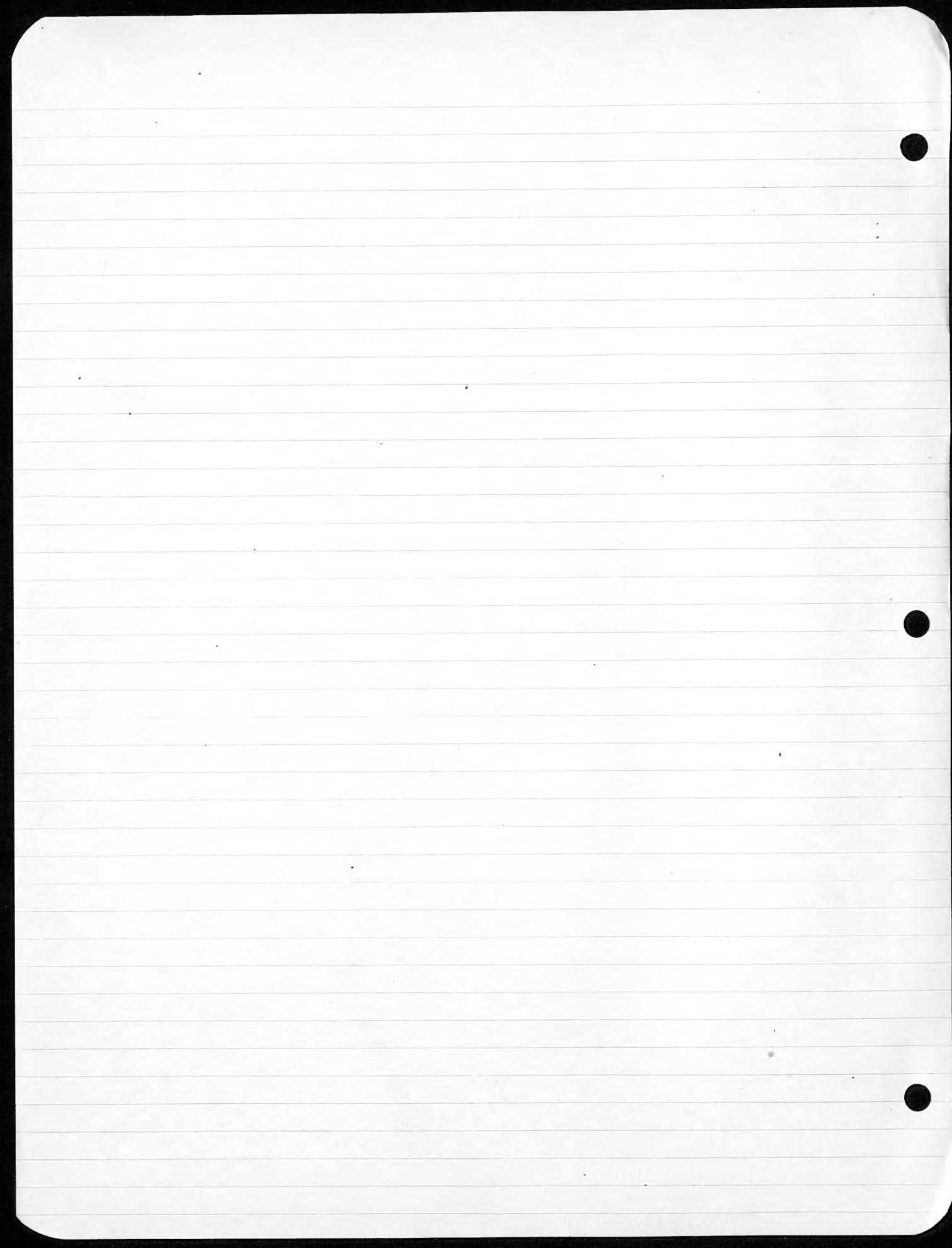
20322. *Flindersia* ^{flavonoligiana} 800m. 20 m pison. Fls. ? Fl. purple, 6-8 cm. long.
115. *Elaeocarpus ferrugineoflorus* 850m. 15 m 240 cm. Fls. ? (High night type)

Other tree

20004. *Trovig Bailey* ? (Succ.). D. 15 x 25 cm. Fls. wh. Red boarling cent of fl.
green; fls. fragrant wh. soft & fleshy.
50. *Ficus* ^{australis} Trunk 20-25 cm. Large paired cream fl.
20167. *Psychotria* ^{glaucocarpa} Opposed open ridge 850m. 6 m. Fls. yellow. Fl: cream colour.
20348. *Polyosma ellipticifolium* subsp. 800m. Tree 6-8 m. Fls. yellow. Fl: green.
50. *Ardisia ferruginea* subsp. " " 7 m. Fls. wh. yellow. Fl: ?

Woody undergrowth

20003. ? Shrub 2-3 m. Fls. wh. Fl: ? Fl: ?
40. *Pittosporum* C. more open forest 850m Shrub 1.5-2.5 m. Fls. cream.
41. *Aralia* S. in v.g. shrub 1.5-2 m. Fls. ? Fl: purple. Panicle purple.
42. *Rubus* S. " " 800m. Shrub 1.5 m. Fls. ? Fl: red, fleshy.
43. ? 18 char. element ^{850m} Tree a shrub 3-5 m. Fls. wh. Fl: leaves & berries
44. ? 850m. Tree 5 m. Fls. wh. Fl: ?
45. *Alyxia* F. in open forest 850m. Shrub 2 m. Fls. cream. (also border ^{or} 2500)
50. ? C. in exposed open 800m. Tree a shrub 2-3 m = 20043.
20168. *Linospadix* ^{in formicaria} One example 850m. 1.5 m. Fl. berries only.
48. " C. exposed open ridge 850m. 1.5-2 m. Fls. yellow. Fl: ?
50. " minor " " " 1-1.5 m. Fls. yellow. Fl: ?
20323. *Isomomia* ? 850m. Tree 4 m. Fl. berries only. Fl: green.
Hypothecaria 800m yellow



Mr. Finnegan, west slopes

Rain forest

Herbaceous undergrowth

acrifolia

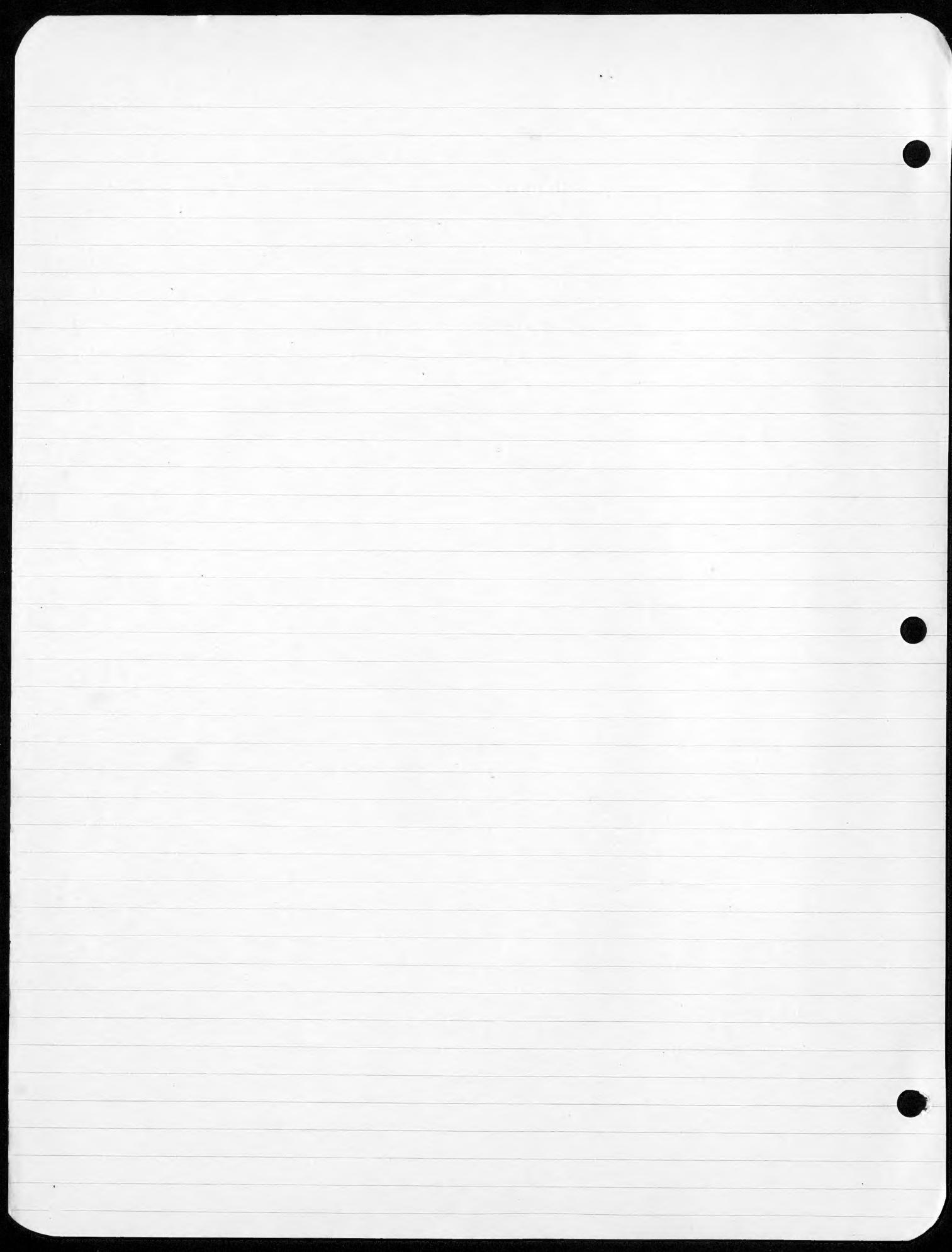
20046. *Holmholzia* A. in a moist rocky ravine 850m. 70-80cm. Fls. ? Pl. wh., soft & fleshy.
47. *Marallia* ? A. rocky edges of a waterfall. n 60-150m.
48. *Trichomanes* A. wet rocky banks of a stream 850m.
51. *Lindsaea* Under granite rocks 850m.
20324. *Phlebodium* Gng. on wet banks of a stream 800m. Tree fern habit, 1.2m.
52. " Fern C. locally 820m. Numerous curved spreading leaves, 1-1.5m.

Glebinas

20039. *Tecomanthe*. O. in low to open forest of a open ridge 850m. 6-8m.
20141. ~~Thapatea~~ Large red fls. to 8cm long.
20145. *Wigandia rheiniana*. F. large leaves to 16-18m. (850m). Fls. red, lobes white within.
46. " " Scandent shrub 8m. Fls. ? Fl. gr.-yellow.

Epiphytes

18588. *Dendrobium* One flwr. on a stalk. 25cm. Fls. cream, wh. & purple-brown.
20000. " (red) " low on a tree ^{800m}. Sol. wh. fls. streaked purple.
06. " Fern C. low on tree (8 rocks) 800m. Bls. narrow simple leaves 1-3cm.
49. " (low on tree trunk. Pinnae 6-8cm, sharply recurved. Seldom fertile).
53. " Fern ... 850m. Fleshy leaves.
20344. *Phalaenopsis* 850m. Bunchy. 8m. Fls. yell.-wh. streaked & streaked purple.
46. " Fern. Upper branches. 850m. Fleshy simple leaves to 20cm.
47. *Eleocharis*. Low epiphyte 850m. 70-14cm.
51. " Fern. Creeping low epiphyte 850m.



MI: Firneyan, west slopes

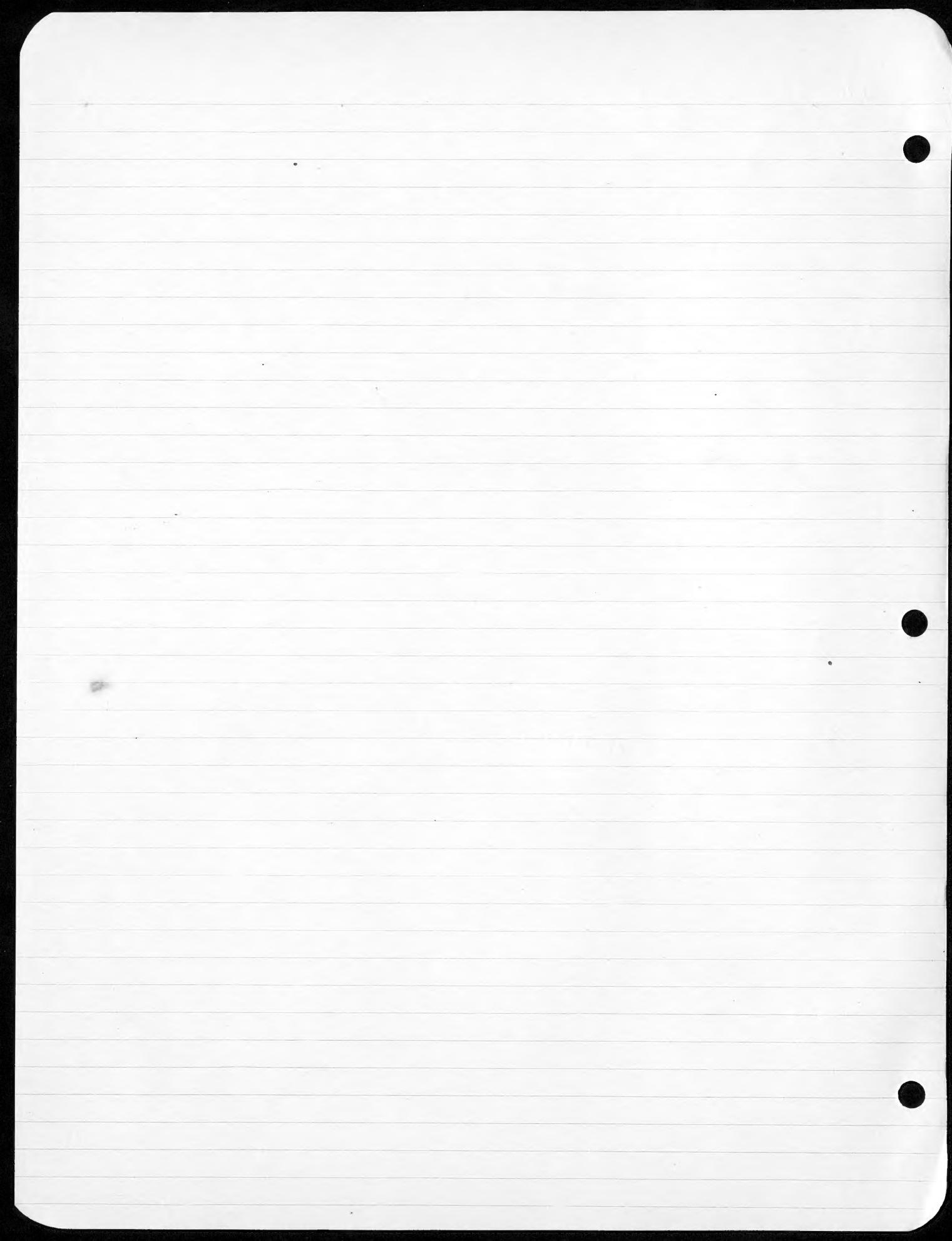
Rain forest

Mosses & hepatic

20055. Moss Rolling log in R.F. 850 m.
56 " Barping a rotten log. "
57 " Branches of v.p. tree "
58. Hep. Fuzzy green sh. At an branches of v.p. 850 m.
20151. Moss Branch of a rotten log. 850 m.
52 " "
53 " Living bark of a tree 800 m.
54 " Rolling bark.

Woody undergrowth & coi.

20343. Erythrina ^{very thorny} 850 m. Tree 3 m. Fl. ? Fl. yellow & red.
48. ? ^{Fl. white} Tree 3 m. Fl. wh. Fl. ?
Grewling barbigera australis



115. Finnegan, west slopes.

Rain forest marginal communities

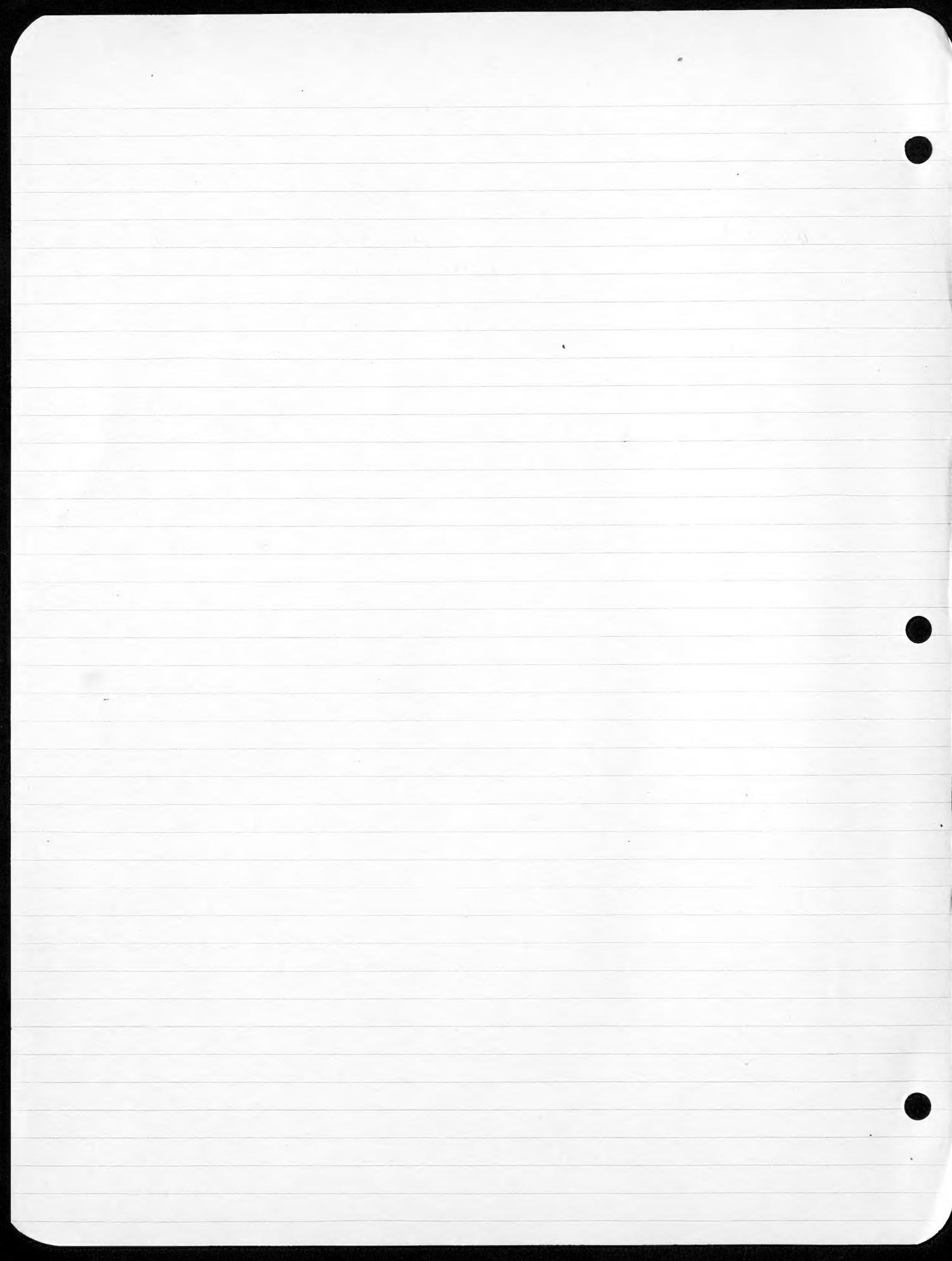
20001. ?

F. tree or shrub 2-4 m. (760m). Fl. wh. Lvs. gl. Branches debril.
Eng. rocky slopes. Thmb 2 m. Fl. cream. Fl. (broad based
sh. of Bellenden Rv.).

20353. Scamander

Forming low ^{1.5 m. high} ~~large~~ clumps, on grassy edges. Climbing
thmb ~~1.5~~. Fl. yellow. 800 m.

37. *Dioscoreaceae*? One example on grassy edge 800m. Thmb 1.5 m.
Pholidoscelis cyathiflorus Fl. pink.



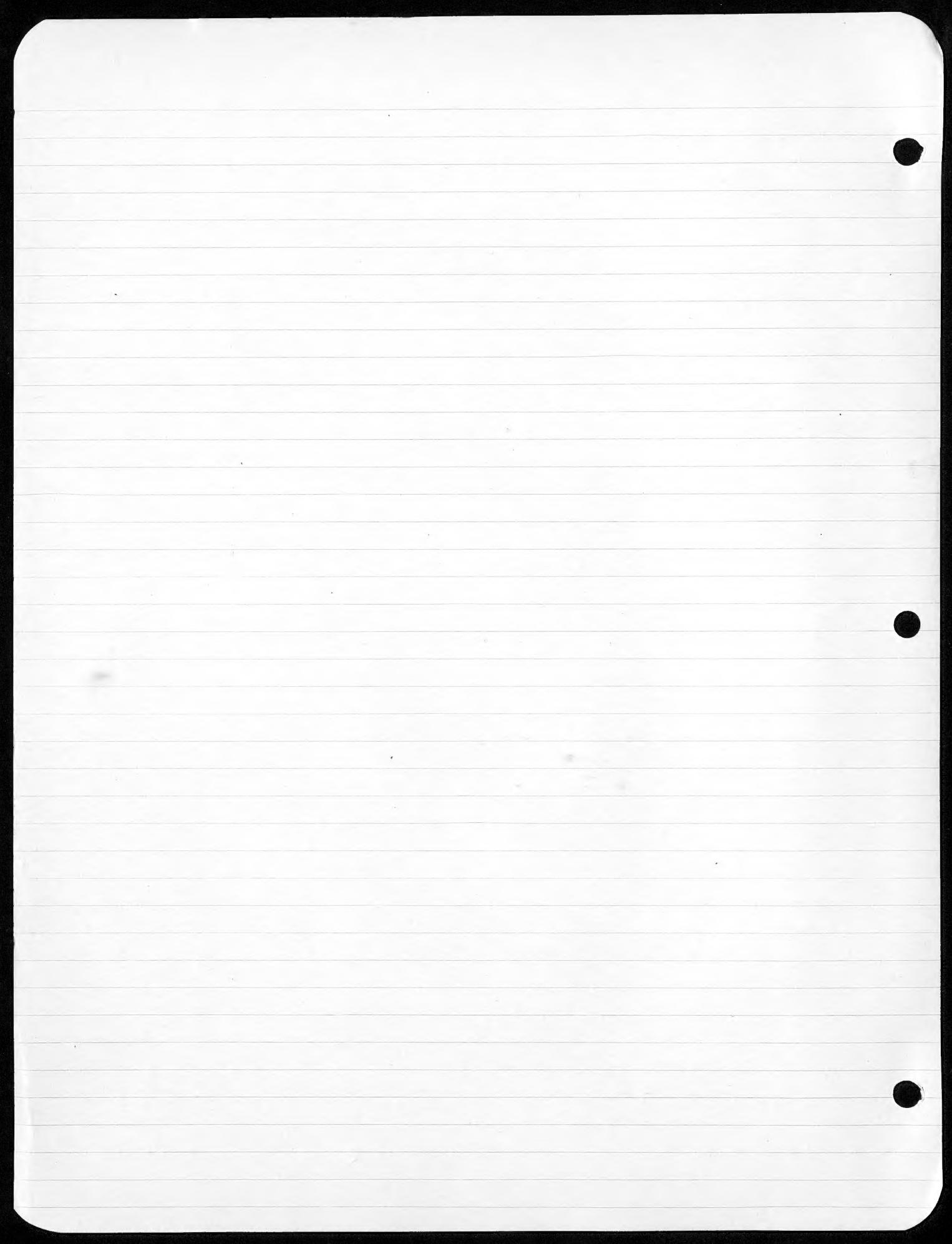
Mr. Finneyson

Mr. Finneyson

Scrubby high mountain forest 1000 m -

Open rocky area at 1000 m.

Strawberries on summit (1140 m.)



Mr. Timmings

Scrubby high mountain forest

Trees & other dominants / *Rhodomyrtus* servicea

20061. *Phoebe* P. tree or shrub. Fl. buds only. Leaves bl. pub. below. Old leaves ^{2nd}
62. *Psychotria* cf. *Maryana* P. tree 4-6 m. Fl. buds only
63. *Platiodia* *lindleyi* tree 6 m. Fl. ? Fl. red, aromatic. Leaves frag.
65. *Myrsinum* ^{syntheticum} tree 5 m. Fl. ? Fl. yellow, tinged red.
20105. *Myrsin* V.A. 1000 m. tree or shrub 1-3 m. Flowers cream fl.
14. *Sarcophagus* cf. *Martini* 1000. tree 4-6 m. Fl. buds only.
20328. *Balanop* 1060 m. tree 5-6 m. Fl. ? Fl. orange-yellow.
31. *Drimys* V.A. 1060 m. tree or shrub 2-3 m. Fl. ? (also a shrub in v.p.)

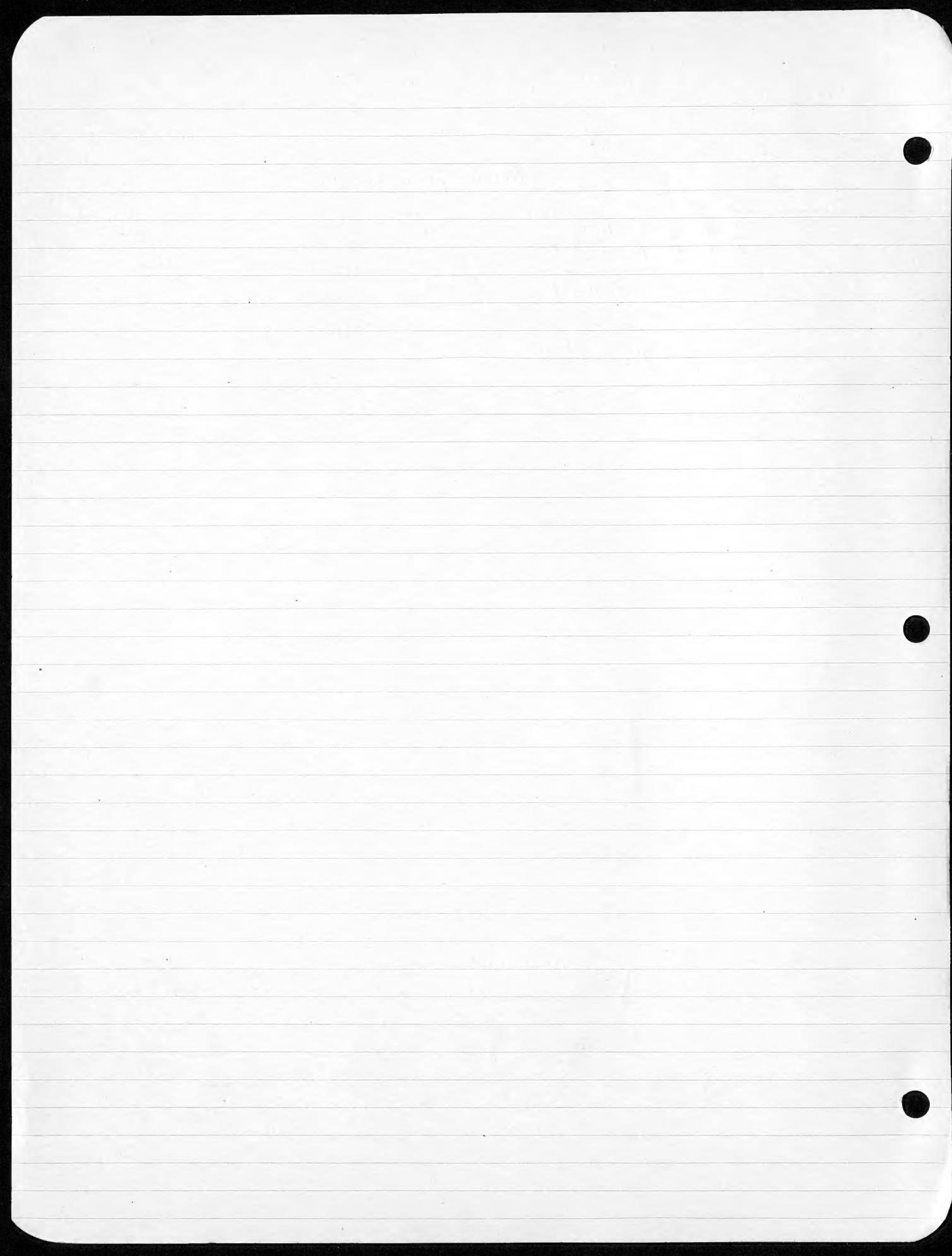
20338. *Timonius*. P. in t. open rocky places 1060 m. Shrub 1.5-2 m. Fls. wh.
fl. yellowish. Leaves & branches thick of hair.

37. *Thunia*. P. in a scrubby rocky opening 1060 m. Fl. buds only. Fl. yellow
40. *Rhododendron* *taroko* P. in shrubberies of a rocky opening. 910 m. Shrub 40-60 cm.
Fl. red. Only 1 plant found in flower on mountain.

australasicum

20068. *Tetaphisocalyx* P. V.A. in a moist gully 1040 m. 4-6 m. Fl. ? Fl. red. Leaves frag. 80-100 cm.

20064. *Typhloca* P. in a moist gully 1040 m. 2.5-3 m. Few (if) spreading leaves 60-80 cm.
Lower stem much enlarged a mass of old wood & often heavily constricted.
66. .. P. in moist gully 1040 m. Leaves flat & spreading 80-100 cm. 3-4 m. tall
68. .. O. .. 2-2.5 m. Many curved & spreading leaves & 2-3 m. long.



Ms. Timmegan

Scrubby high mountain forest

Epiphytes & parasites

20060. *Korthalsella*. Parasitic on a shrub. 5-6 cm. Plant w-green.

70. *Elaphoglossum* F. on many low trees & on rocks 1040m. Fertile leaves whitish.

71. Fern. Tufted " " 1040m. Smooth simple leaves 80-90cm.

73 " " C. tree on tree 1050m. Pinnatifid. Many short

74. *Vittaria*? Branches of tree 1100m. 2-3.5 cm.

75. Polypt. Many trunks & rocks 1100m. Triple leafy fl. 0.5 cm.

76. Hymenophl. " " 8-10 cm.

77. Fern. Pinnatifid 3cm. (1100m.).

78. Polypt. Tree & rocks 1100m. Tufts simple bipartite leaves 6-10cm.

79. Hymenophl. A. on many trees 1100m. Leaves curved, very pale green.

80 " " Many rocks 1100. Dark gr. wrinkled leaves 6-7cm.

88. *Thespesia*? Stem of a tree form (Dicksonia) 1040m. 10cm.

20103. *Buttiphyllum* A. on dead branches 1000^{1030m} fl. yellow, short pet. long br. One plant 1000m. 2-3 cm. fl. green.

10. Orch. 1000m. Cliff curved leaves 1-3cm.

20327. Polypt. C. 1060m. Cliff dimorphic simple leaves 8-25cm.

39. Orch. V.P. 1060m. 10-15cm. Green, very fragrant fls.

41. *Admata* A. on rocks & trees 910m.

42. *Buttiphyllum*. C. small creeping fl. 810m. fl. gr-pink striped purple.

Brimbos

Quintonia lawkensis

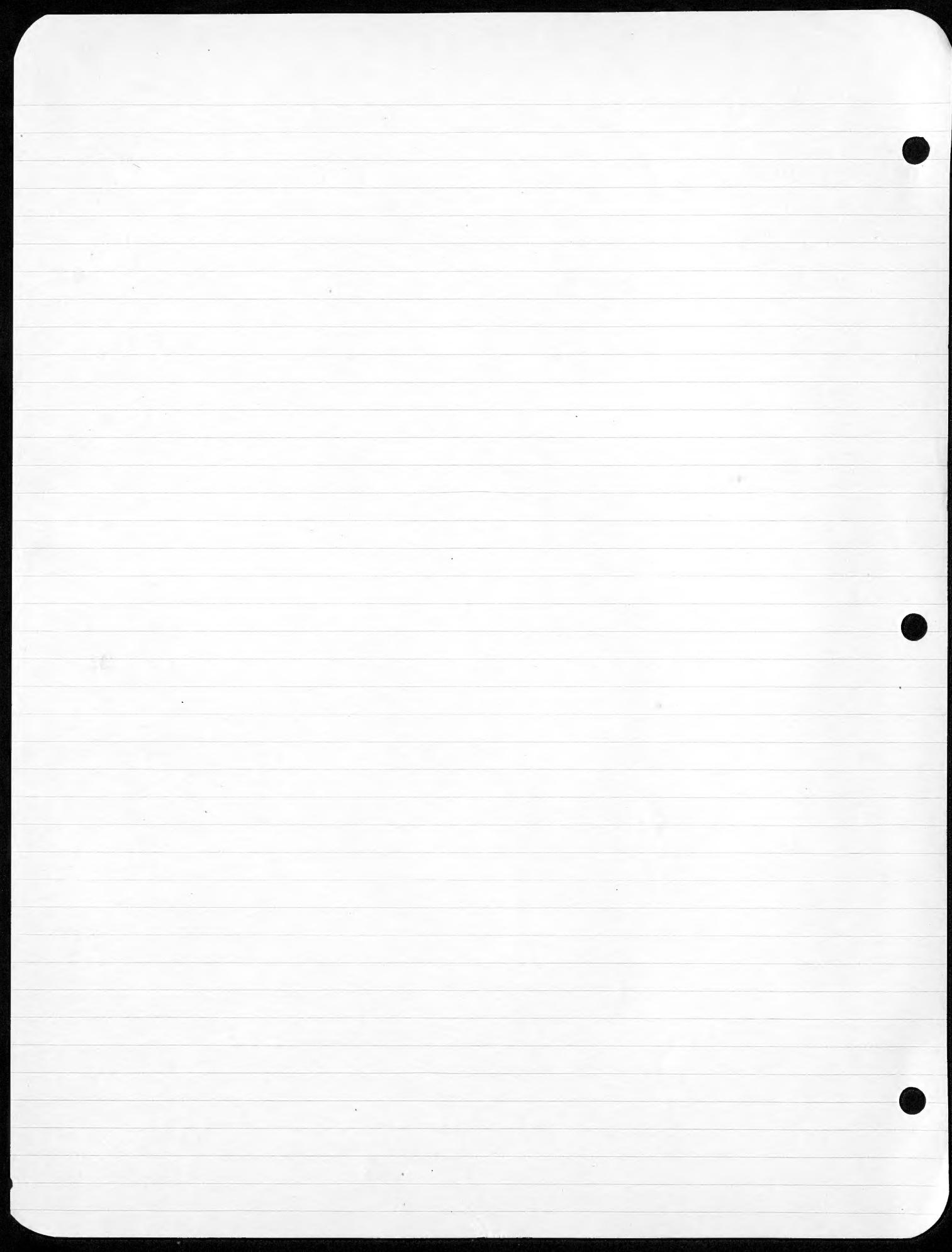
20067. *Fern*? F. scandent shrub 5m. (1040m) fl. wh. fl. ? Fertile smooth leaves.

20101. *Tecomanthe* C. 4-5m. fl. red, l 7cm. long.

Undergrowth

20329. Rub. 1060m. fl. wh. fl. ? Shrub 2m.

30. " A. 1060m. Shrub 1-2m. fl. ?

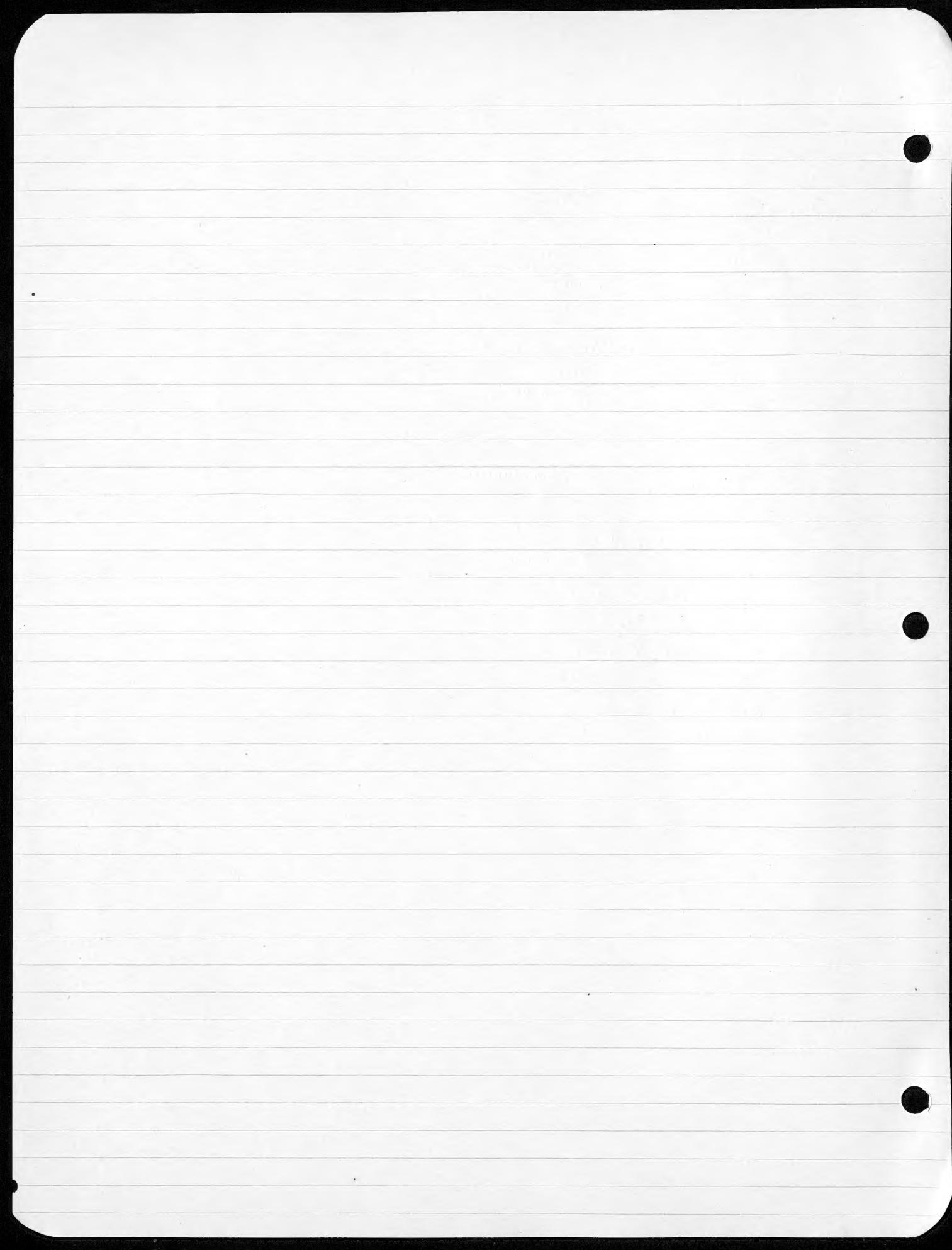


Mt. Timog an

Shrubby high mountain forest

Names

20081. *Rocky* on bank of a stream 1040 m.
82. *Trichosteleum hamatum* Covering trunks of trees " "
83. *Dicranoloma serratum* " " " "
84. *Lecanoropeltis sancta* " " "
85. *Macromitrium foliaceum* " " "
86. *Leucobryum sanctum* " " "
87. *Phizogonium spiniforme* P. on granite rocks in sun 1100 m.
88. *Dicranoloma spiniforme* ^{Nov.} " " "
89. *Dicranoloma spiniforme* ^{Nov.} " " "
90. *Dicranoloma spiniforme* ^{Nov.} " " "
91. " " "
92. " " "
93. *Hypoleucis Kaymaniana* " " "
94. " " "
20106. *Tomentypus Rhizom.* Open ground in sun 1000 m.
7. *Macromitrium fuligineum* " " "
8. *Encalyptodon Thietrin* " " "
20382. *Heteropodium erythrophyllum* tree tops - 1060 m. Yellow shore colored cushions.
33. *Platoniium frickioides* ^{Nov.} small dark olive green cushions in tree tops 1060 m.
34. *Macromitrium dimorphum* Covering dead branches of trees 1060 m. Reddish brown.
35. *Dicranoloma austro-Kofman* ^{Nov.} tops of trees 1060 m. Pale yellow-green small loose cushions.
36. " " "
37. " " "
38. " " "
39. " " "
40. " " "
41. " " "
42. " " "
43. " " "
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54. " " "
55. " " "
56. " " "
57. " " "
58. " " "



MT. Princeton.

Open rocky area at 1000 m

20102. *Dendrobium fusciforme* V.A. on exposed granite. 40-50 cm. Fls. cream, fragrant.

04. *Bunya reflexionis* T. & G. Principal plant on open rocky area. 15-25 cm. Plant rises on stiff roots & often forming loose cushion. Few plants in flower.

09. *Malanga*. Herb 20-40 cm. Fls. bl.

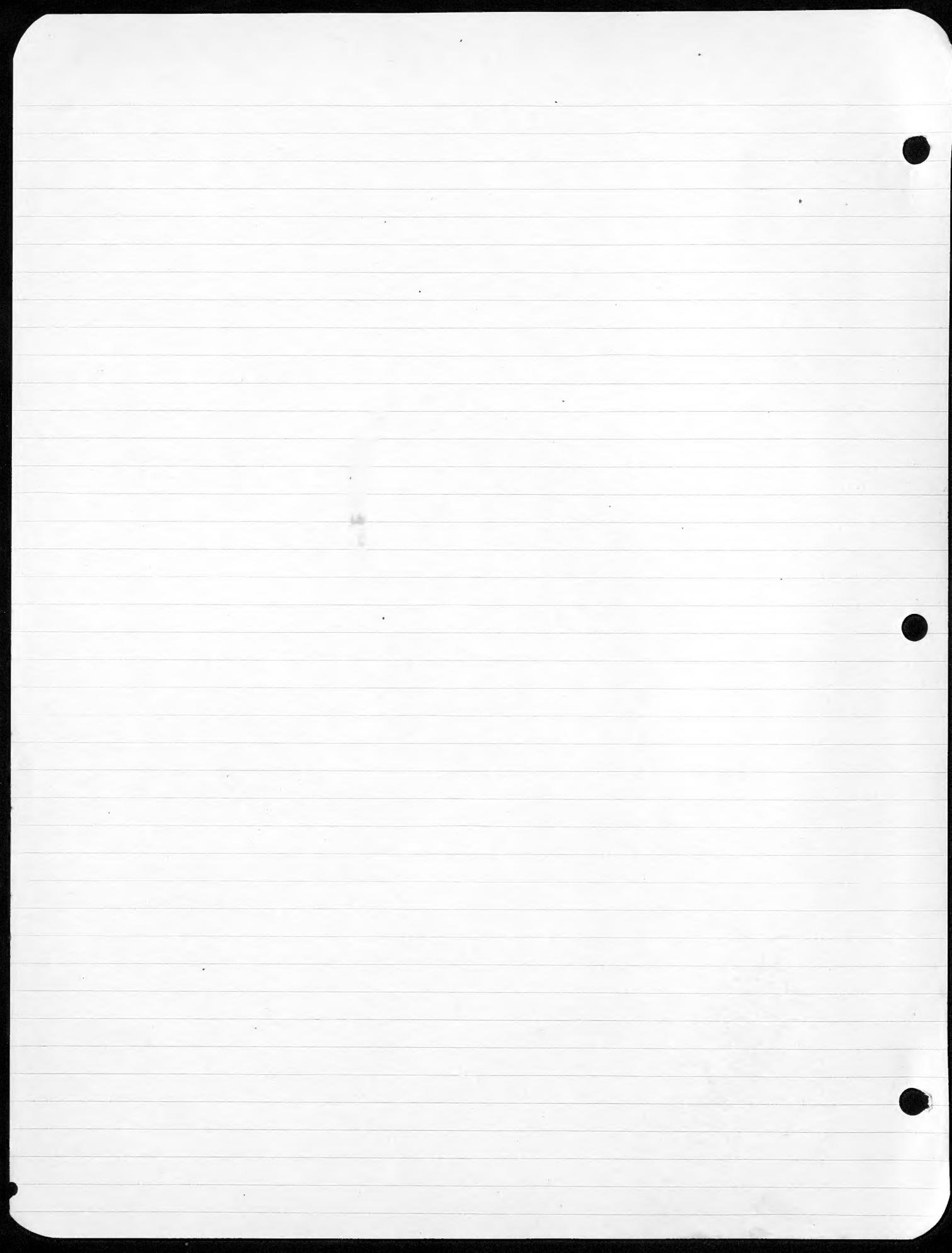
10. *Orch.* Amongst rocks on open rocky ground. Fls. pink, column green.

12. *Delichrysum* ? F. herb 50 cm. Yellow rays less fls. Leaves grey below.

13. *Zieria* F. open rocky situations. Shrub 30-60 cm. Fls. wh.

16. ? C. amongst rocks on open ground. Herb 3-10 cm. Fls. wh.

20925. *Elaeis*. C. shrub 1 m. Branched wh. fls. (1 in) - opening).



MI: Munyan

Shrubberies on summit (1140 m)

20117. *Gaultheria procumbens* P. W. 1 m. Mats whitish.

18. *Rubus phoenicolasius* P. M. A. shrub 1 m. Shrub. Branches & petioles red.

19. *Phodoclethra tomentosa* P. M. P. in stiff shrubberries. 1 m. Shrub.

20. *Opuncia*. A. (also at 1000m). 1 m. Shrub

21. *Wiphalaea* C. in ground mass of shrubberries 20-40 cm. Shrub

22. ? O. shrub 1-2 m. Shrub

23. *Hibiscus*. O. fibrous shrub 1 m. Shrub

24. *Tournefortia* sp. nov. ? Shrub 1 m. Shrub. Young leaves reddish.

25. ? C. shrub 1-1.5 m. Shrub

26. *Pithecellobium* F. Shrub 1 m. Fls. pale yellow.

27. ? C. shrub 1-1.5 m. Shrub

28. ? Shrub 1-2 m. Shrub. Young leaves reddish

29. ? O. shrub 1.5 m. Fls. ? Fl. green

30. *Drimys* F. shrub 1-1.5 m. Shrub. Young leaves red.

31. *Psychotria phaeostachys* (28 major element) Shrub 1-1.5 m. Shrub

32. *Myrsin* A. shrub 1-1.5 m. Wh. flowers fls. fl. orange, in umbelliform.

33. *Fimbristylis austromontana* Shrub 50 cm. prostrate & ascending. Fl. wh. (also at 3400)

34. *Pholidonanthus sinicus* A. 1-1.5 m. Fl. bracts orange. Leaves br. pub. below. Old leaves red.

35. *Psychotria* Epiphytic 2-3 cm. Fls. yellowish purple.

36. *Macromitrium dimorphum* Dead wood. Dense br. cushionous

37. *Monotropa uniflora* Living twigs. Stems colored.

38. *Taraxiphium interfolium* Tussled on rocks. Bronze & pub. golden hairs.

39. *Macromitrium dimorphum* Creeping on dead wood. Dark cinnamon brown.

40. *Eucampylia* Shrub. Dead twigs. Fresh dark green.

Other normal hepaticas



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